DURO

TOOLS OF PROGRESS

NO. 35

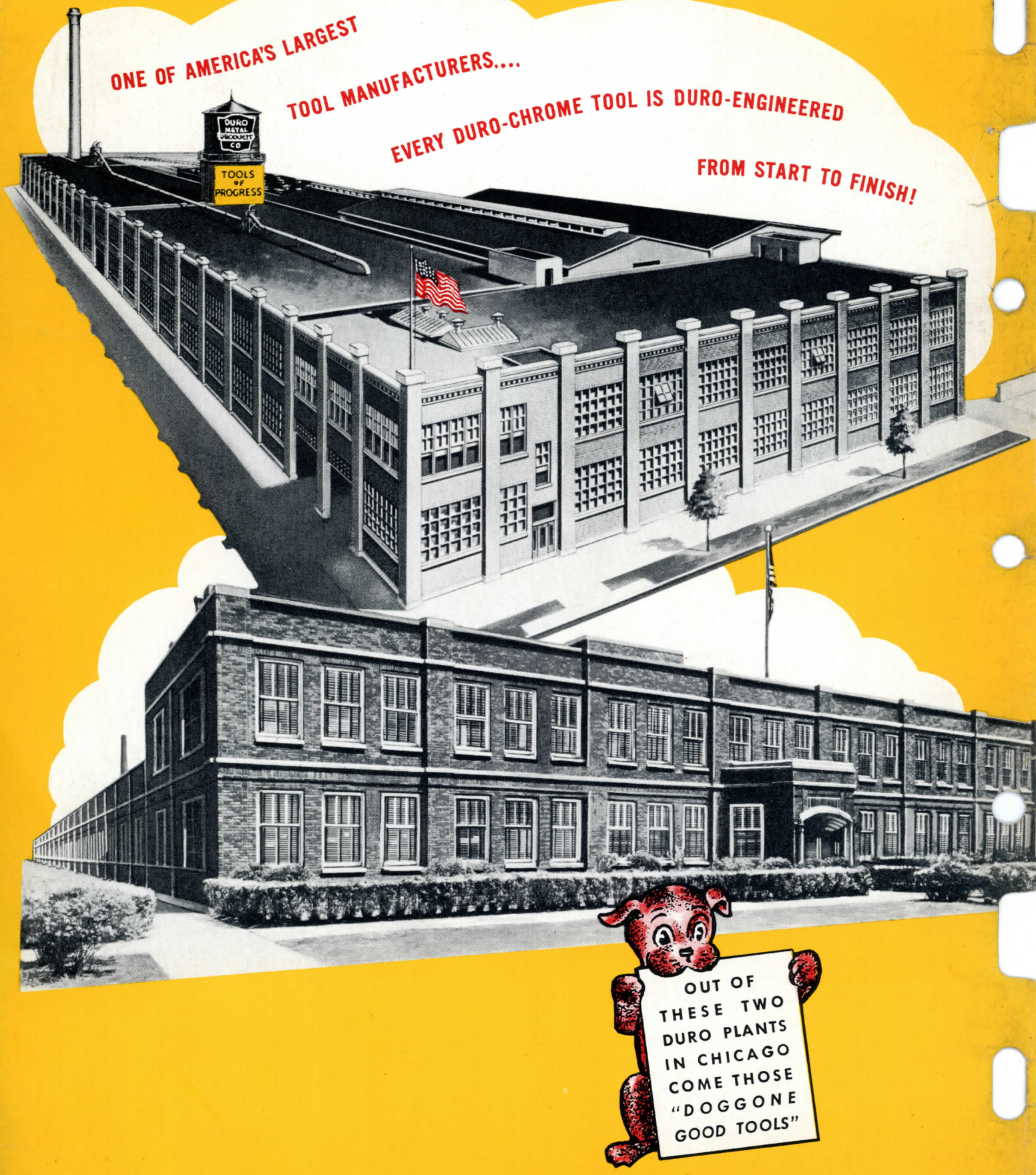
DURO METAL PRODUCTS CO. CHICAGO, U.S.A.

ONE OF AMERICA'S LARGEST

TOOL MANUFACTURERS....

EVERY DURO-CHROME TOOL IS DURO-ENGINEERED

FROM START TO FINISH!



Specifications, production and shipment of any item is subject to discontinuance and alteration without prior notice.

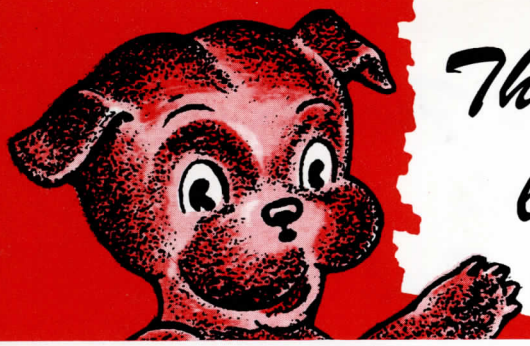
"KNOW HOW"

We draw on our more than 35 years of manufacturing "Know How" when we build into our products the quality our customers have a right to expect, using the best materials, expert workmanship, and modern production methods to produce utility and beauty of design. Constantly we are on the alert to improve the performance of our products and to create new laborsaving manufacturing methods.

This policy makes it possible to offer to our customers, top quality products, competitively priced, and has resulted in a healthy and steady growth of our company, so that we are today among the leaders in our industry.

DURO METAL PRODUCTS CO.
2649 North Kildare Avenue
Chicago 39, Ill.
U. S. A.

Printed in U.S.A.



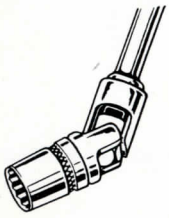
The man who earns his living with tools -

There is ONE THING men the world around agree upon: "Duro-Chrome Tools are Doggone Good!" Why? Well here is the inside story:

DURO-CHROME SOCKETS ARE HOT BROACHED FOR EXTRA STRENGTH. Forming the "teeth" in a socket while the metal is hot eliminates any tears, cracks or stresses caused by cold broaching. That's why Duro-Chrome sockets can be made thinner yet stronger than conventional sockets.

SOCKETS LOCK WITHOUT LOOKING. Built into each Duro-Chrome handle is a small spring loaded ball—and formed into the four inside walls of sockets is a retaining groove to receive the ball. It means no fumbling, no bother in matching handles and fittings as with cumbersome single position locking devices. It means quick assembly and a secure fit every time, too. Sockets are also beveled for easy application to handles and to nuts or bolts.

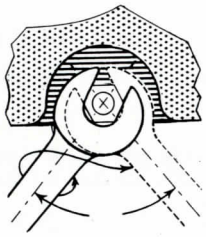
Duro-Chrome tools have a family resemblance and are proportioned to the size of the opening to provide adequate leverage for loosening tight nuts. They work together like the fingers of your hands.

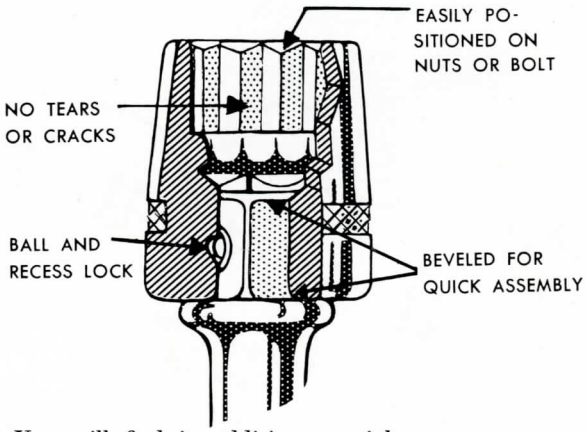


HOLD IN ANY POSITION. Attachments which require positioning such as Universal Joints, Swing Head Handles and Slide T Handles have joint or slide controlled by spring loaded friction.

SOCKET SETS AND COMPLETE TOOL SETS, the component parts of which have been selected by skilled mechanics, are offered for general and specialized services. You will find the tool set you need illustrated in this catalog.

THIN PATTERN WRENCHES. Duro-Chrome drop forged Chrome Alloy Open End Wrenches are of thin pattern with compact pear-shaped heads. Accurately machined job related openings on each wrench assure a perfect fit. Every movement of the handle is transferred to the work—no slack to take up. Each opening is at a 15° angle to the handle which permits rotation of a hexagon nut with only 30° movement of the handle.





You will find in addition, special purpose open end wrenches such as extra thin, extra long tappet wrenches, and obstruction wrenches with openings at 45° and 90° to the handle so necessary around manifolds, etc.

REACH RECESSED NUTS. You will like to work with Duro-Chrome drop forged Box End Wrenches. Because of the almost straight wall under the handle, they will work in recesses or close to obstructions where formerly it was always necessary to use a socket.

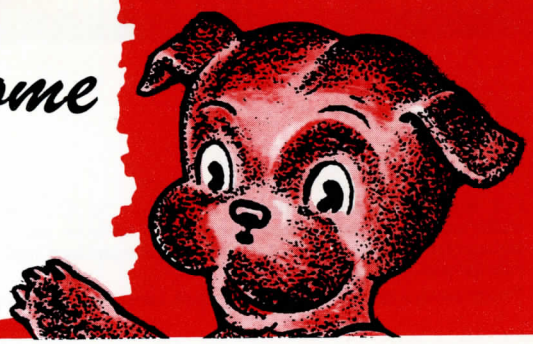
Job related openings on the ends of each wrench are accurately machined and are beveled for easy application to bolt or nut.

Sense of balance and comfortable grip are part of every Duro-Chrome wrench.

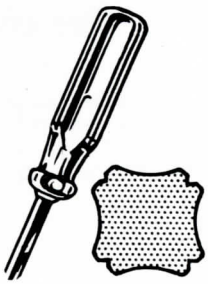
No doubt about it, Socket Wrenches and the wide assortment of forged wrenches a man uses every hour are most important, they just have to be good; but, so do the auxiliary and special tools on which he relies.

The Duro line of pliers covers every need. Into each type of plier, regular or special service, goes the best steel, properly processed to perform the job for which it is intended. Cutting pliers have edges hard enough, sharp enough and tough enough to cut for years. Perform those special jobs with certainty using brake spring pliers, lock ring, ignition, seat cover and many others.

-chooses Duro-Chrome Tools every time



FORGED BLADES. All Duro-Chrome screwdrivers have individually hand forged blades. Just the right length, width and thickness for the screw to be handled, be it a regular slotted screw, Phillips or clutch head. In regular length, stubby and offset types. Every handle is right for its blade; full grip, plenty of leverage and formed to fit your hand naturally.



Design patented

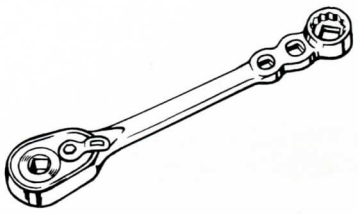
SAFETY. In scarcely another tool does a man depend so much on quality for safety than when using a hammer and a punch or chisel. Duro uses octagon stock for punches and chisels, they just can't turn or twist. Zone hardening means long life, accurate performance and SAFETY. The working ends are hardened to retain a good edge. The body is toughened to transmit hammer blows and for safety, the heads are made a little softer and will mushroom instead of chipping. Here also are the proper size and weight of hammers with which to drive them. Hammers that are forged from extra quality steel, accurately faced, properly balanced and with hand fitting top grade handles. In the family of hammers you will also find special purpose hammers that make a mechanic an expert craftsman—replaceable tip plastics, bronze, rubber, and carpenter's.

SPECIAL SERVICE TOOLS. Many years have been spent in designing and testing those dozens of special service tools so that today they are perfect for each of their applications. Ignition service tools are complete with special pattern, thin open end and box wrenches. Feeler gauges cover the full range from cars through the largest trucks, busses, tractors and industrial engines. Special gauges for the most popular cars; special gauges for particular jobs. Electrode benders, spark plug gap wire gauges and stepped "Go" "No Go" gauges all in sizes designed to do the job fast and sure. Speed and accuracy are the key to profit and success today in all customer relation service. In the lubrication section is shown all the tools needed to handle every type of standard and automatic transmission in use today. Tire and battery service tools of unusually handy design are available to help you to earn more money with less effort.

In the body and fender tool section there is more of this careful planning evident. Tools that are right, accurate, safe and ready to do the job—plenty of shapes in spoons and dollies, just the right hammers. There are sets designed for the individual car owner and on up to the professional body and fender man whose reputation stands or falls on the quality of work his tools turn out for him.

Gear and hub pullers are offered in all sizes and types from economy style through deluxe non-binding, including those slide hammer types that do a job no other tool will handle. Inside and outside pullers all have adjustments for length and opening wherever there is a chance that an adjustment might do the job better, faster or safer.

"DOGGONE GOOD TOOLS." Nor have we overlooked that increasingly popular profession—the refrigeration service man. Naturally he uses many of the tools found in every good tool kit, but, that is not enough to handle his kind of work. He needs, and Duro can furnish, "Doggone Good Tools" to install and service domestic and commercial refrigerators, coolers and air conditioning. Special stem and gland sockets have been planned to speed adjustment, tear-down and replacement. The Duro refrigeration ratchet has been acclaimed as "by far the best" by thousands of satisfied users the world over —no wonder, check its many features listed on page 60. Cutting, flaring and bending tools are offered in a wide variety of types, styles and prices. From this complete range of items there has been compiled sets to meet every need. Almost all refrigeration school students learn with Duro-Chrome sets, and that's why they graduate into professional men with a complete set of Duro tools. They know the right tool is in the kit regardless of the nature of the job at hand.



This catalog was planned to help the most essential man in this machine age—the mechanic. Without him things don't move and production stops. Almost every replacement of parts or service to a vehicle or a machine requires the use of a tool. The steel used in each Duro-Chrome tool is tailored for the job and it is heat treated to bring out the best quality. Duro-Chrome tools have style and balance—features that attract mechanics and make them more appreciative the longer they use the tools.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

For work requiring small size tools, ¼″ Sq. Dr. sockets and attachments are a must. Sockets are tapered with strong thin walls and accurately sized openings. Ratchets, extensions, and other handles are proportioned for fast, efficient servicing of carburetors, generators, starters, electric motors and other small devices. Each male drive end has spring loaded ball to hold extensions or sockets securely.

Made from chrome alloy steel, heat treated, chrome plated and highly polished.

Reversible Ratchet, male drive. Sturdy, smooth operating 36 tooth gear. Length 5¾″.

NO. 4587 REVERSIBLE RATCHET
STD. PKG. 4. PKG. WT. 1¼ LBS.

Swing Head Handle. Drilled for use with bar as an offset or "T" handle. Length 6″.

NO. 4550 6″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. ½ LB.

NO. 4555 4″ CROSS BAR
STD. PKG. 4. PKG. WT. ⅛ LB.

Swing Head Handle. Attractive amber DuroLite grip. Length 6″.

NO. 4566 6″ SWING HEAD HANDLE
STD. PKG. 3. PKG. WT. ¼ LB.

Sliding head has spring loaded ball to hold it in any position on bar. Length 4½″.

NO. 4535 4½″ SLIDE "T" HANDLE
STD. PKG. 4. PKG. WT. ½ LB.

DuroLite shock-proof and break-proof handle. Length 4″.

NO. 4572 4″ SPINNER HANDLE
STD. PKG. 4. PKG. WT. ¼ LB.

DuroLite shock-proof and break-proof handle. Length 6″.

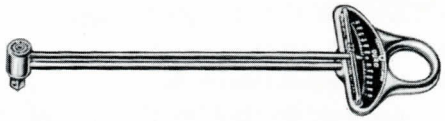
NO. 4573 6″ SPINNER HANDLE
STD. PKG. 4. PKG. WT. ½ LB.

Same as above handle with ¼″ square female drive in handle end which is fully insulated from blade.

NO. 4574 6″ SPINNER HANDLE
STD. PKG. 4. PKG. WT. ½ LB.

Flexible feature of handle permits use of sockets in places extremely difficult to reach with any other type tool. Length 7½″.

NO. 4571 7½″ "SPIN-FLEX" HANDLE
STD. PKG. 4. PKG. WT. ½ LB.

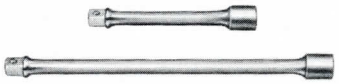


Tension indicating wrench has range of 120 inch pounds. Accurate within 2% of scale. Graduated in 5 in. lb. units. Length 9″.

NO. 8099-¼″ ¼″ SQUARE DRIVE TENSION WRENCH
STD. PKG. 1. PKG. WT. ¼ LB.

Universal Joint, male and female type. Spring loading holds socket at selected angle. Length 1 5/16″.

NO. 4536 UNIVERSAL JOINT
STD. PKG. 3. PKG. WT. ⅛ LB.



NO. 4532 3″ EXTENSION
STD. PKG. 4. PKG. WT. ¼ LB.

NO. 4533 6″ EXTENSION
STD. PKG. 4. PKG. WT. ½ LB.

This extension makes a flexible drive of any ¼″ handle. Length 4″.

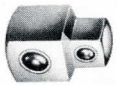
NO. 4570 4″ FLEXIBLE EXTENSION
STD. PKG. 4. PKG. WT. ¼ LB.

NO. 481 ¼″ FEMALE, ⅜″ MALE ADAPTOR
STD. PKG. 4. PKG. WT. ⅛ LB.

NO. 491 ¼″ MALE ADAPTOR, ⅜″ FEMALE
STD. PKG. 4. PKG. WT. ⅛ LB.

Double male extension. Friction ball in each end. Length ¾″.

NO. 4531 ¾″ EXTENSION
STD. PKG. 4. PKG. WT. ⅛ LB.



Double male adaptor ¼″ x ⅜″ with friction ball on each end. Length 29/32″.

NO. 4493 ¼″ x ⅜″ DOUBLE MALE ADAPTOR
STD. PKG. 4. PKG. WT. ⅛ LB.

Special ¼″ Sq. Dr. Sockets for Refrigeration are shown on page 60.

DURO-CHROME

TOOLS OF PROGRESS

CHROME ALLOY STEEL

Beautifully polished, chrome plated with uniformly thin tapered walls.

Made of chrome alloy steel. Perfectly centered. "Hot Broached" for maximum strength.

Quick, positive attachment to fittings assured by retaining grooves in all four sides of drive opening.

HEXAGON				SQUARE			
No.	Size	Std. Pkg.	Pkg. Wt., Lbs.	No.	Size	Std. Pkg.	Pkg. Wt., Lbs.
4506	3/16″	6	1/8	**4506S***	3/16″	6	1/8
4507	7/32″	6	1/8	**4507S***	7/32″	6	1/8
4508	1/4″	6	1/8				
4509	9/32″	6	1/8	**4508S**	1/4″	6	1/8
				4510S	5/16″	6	1/4
4510	5/16″	6	1/8	**4512S**	3/8″	6	1/4
4511	11/32″	6	1/8				
4512	3/8″	6	1/4				
4514	7/16″	6	1/4				

Sockets above are broached 6 Pt. *Indicates 4 Pt.—Balance 8 Pt.

Every man whose profession calls for the assembly or repair of small devices will appreciate the utility of the tools in these sets. Their perfect balance makes them extensions of your fingers. Ideal for automotive and aviation repair men; electrical, radio and television; and men servicing office equipment and home appliances.

Boxes are made of substantial gauge steel with partitions for sockets and finished in a beautiful green hammerloid enamel.

17 PIECE SET

CONTENTS

No.	Description	No.	Description
4506	3/16″ 6 Pt. Socket	4510S	5/16″ 8 Pt. Sq. Skt.
4507	7/32″ 6 Pt. Socket	4512S	3/8″ 8 Pt. Sq. Skt.
4508	1/4″ 6 Pt. Socket	4532	3″ Extension
4509	9/32″ 6 Pt. Socket	4533	6″ Extension
4510	5/16″ 6 Pt. Socket	4566	6″ Sw. Hd. Hdle.
4511	11/32″ 6 Pt. Socket	4570	4″ Flex. Extension
4512	3/8″ 6 Pt. Socket	4572	4″ Spin. Handle
4514	7/16″ 6 Pt. Socket	4587	Rev. Ratchet
4508S	1/4″ 8 Pt. Sq. Skt.		

NO. 5603 **17 PIECE SOCKET SET** STD. PKG. 1. PKG. WT. 2 LBS.

NO. 9930 **BOX, ONLY—6⅝″ x 2¾″ x 1⅛″** STD. PKG. 1. PKG. WT. ¾ LB.

11 PIECE SET

CONTENTS

No.	Description	No.	Description
4508	1/4″ 6 Pt. Socket	4508S	1/4″ 8 Pt. Sq. Skt.
4509	9/32″ 6 Pt. Socket	4510S	5/16″ 8 Pt. Sq. Skt.
4510	5/16″ 6 Pt. Socket	4512S	3/8″ 8 Pt. Sq. Skt.
4511	11/32″ 6 Pt. Socket	4550	6″ Sw. Hd. Hdle.
4512	3/8″ 6 Pt. Socket	4555	4″ Cross Bar
4514	7/16″ 6 Pt. Socket		

NO. 5600 **11 PIECE SOCKET SET** STD. PKG. 1. PKG. WT. 1 LB.

NO. 9911 **BOX, ONLY—6⅞″ x 2″ x 1″** STD. PKG. 1. PKG. WT. ½ LB.

13 PIECE SET

CONTENTS

No.	Description	No.	Description
4508	1/4″ 6 Pt. Socket	4510S	5/16″ 8 Pt. Sq. Skt.
4509	9/32″ 6 Pt. Socket	4512S	3/8″ 8 Pt. Sq. Skt.
4510	5/16″ 6 Pt. Socket	4532	3″ Extension
4511	11/32″ 6 Pt. Socket	4550	6″ Sw. Hd. Hdle.
4512	3/8″ 6 Pt. Socket	4555	4″ Cross Bar
4514	7/16″ 6 Pt. Socket	4587	Rev. Ratchet
4508S	1/4″ 8 Pt. Sq. Skt.		

NO. 5601 **13 PIECE SOCKET SET** STD. PKG. 1. PKG. WT. 1¼ LBS.

NO. 9911 **BOX, ONLY—6⅞″ x 2″ x 1″** STD. PKG. 1. PKG. WT. ½ LB.

14 PIECE SET

CONTENTS

No.	Description	No.	Description
4508	1/4″ 6 Pt. Socket	4507S	7/32″ 4 Pt. Sq. Skt.
4509	9/32″ 6 Pt. Socket	4508S	1/4″ 8 Pt. Sq. Skt.
4510	5/16″ 6 Pt. Socket	4510S	5/16″ 8 Pt. Sq. Skt.
4511	11/32″ 6 Pt. Socket	4512S	3/8″ 8 Pt. Sq. Skt.
4512	3/8″ 6 Pt. Socket	4532	3″ Extension
4514	7/16″ 6 Pt. Socket	4566	6″ Sw. Hd. Hdle.
4506S	3/16″ 4 Pt. Sq. Skt.	4572	4″ Spin. Handle

NO. 5602 **14 PIECE SOCKET SET** STD. PKG. 1. PKG. WT. 1½ LBS.

NO. 9930 **BOX, ONLY—6⅝″ x 2¾″ x 1⅛″** STD. PKG. 1. PKG. WT. ¾ LB.

Special 1/4″ Sq. Dr. Sockets for Refrigeration are shown on page 60.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

The compact design of modern engines often requires use of sockets and attachments of intermediate size. The 3/8" square drive series fills that need. The wide selection of sockets offered as well as perfectly matched handles for turning them will save you time on the job, making it profitable for you to own and use them. Especially handy for aviation mechanics.

Made from chrome alloy steel, heat treated, chrome plated and highly polished.

DeLuxe reversible ratchet, male drive. Compact round head. Sturdy 80-tooth action. Length 7½".

NO. 4499 DELUXE REVERSIBLE RATCHET
STD. PKG. 1. PKG. WT. ½ LB.

Standard reversible ratchet, male drive. Speedy action. Operates in 1/36 of a turn. Length 8".

NO. 4498 REVERSIBLE RATCHET
STD. PKG. 1. PKG. WT. ¾ LB.

Swing head handle. Spring loading holds head at any angle. Drilled for cross bar. Length 10".

NO. 4481 10" SWING HEAD HANDLE
STD. PKG. 6. PKG. WT. 3¼ LBS.

Cross Bar. For use with swing head handle or extensions. Length 5½".

NO. 4480 5½" CROSS BAR
STD. PKG. 6. PKG. WT. ¾ LB.

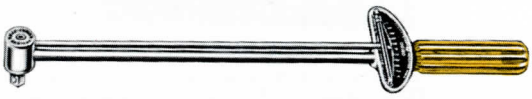
Speeder for fast nut running. Handle has ball thrust bearing for easy operation.

NO. 4485 16½" SPEEDER HANDLE
STD. PKG. 6. PKG. WT. 5¾ LBS.

NO. 4483 32½" SPEEDER HANDLE
STD. PKG. 1. PKG. WT. 1½ LBS.

Slide T handle. Spring loaded ball holds head in any position on bar. Length 8".

NO. 4463 8" SLIDE T HANDLE
STD. PKG. 3. PKG. WT. 1 LB.



Tension Indicating Wrench has range of 50 foot pounds with 2½ ft. lb. scale graduations. Simplicity of construction insures accuracy and long life. This size is popular for adjusting automatic transmissions. Length 13 5/16".

NO. 8099-⅜ ⅜" SQ. DR. TENSION WRENCH
STD. PKG. 1. PKG. WT. ¾ LB.

A Universal Joint saves time in cramped quarters. Spring loading holds drive at any angle. Length 1 15/16".

NO. 4497 UNIVERSAL JOINT
STD. PKG. 6. PKG. WT. ¾ LB.

Work above obstructions. A length for every need. Forged for strength and drilled for cross bar.

NO. 4430	**3" EXTENSION**	STD. PKG. 6.	PKG. WT.	¾ LB.
NO. 4432	**4½" EXTENSION**	STD. PKG. 6.	PKG. WT.	1 LB.
NO. 4433	**6" EXTENSION**	STD. PKG. 4.	PKG. WT.	¾ LB.
NO. 4434	**9" EXTENSION**	STD. PKG. 4.	PKG. WT.	1 LB.
NO. 4435	**12" EXTENSION**	STD. PKG. 4.	PKG. WT.	1½ LBS.
NO. 4436	**18" EXTENSION**	STD. PKG. 4.	PKG. WT.	2¼ LBS.

Drive Phillips type screws faster and easier with these adaptors. Use with speeder or ratchet. Chrome alloy steel. Length 2 11/16".

No.	Point	Screw Size	Std. Pkg.	Pkg. Wt.
4452	2	5 to 9	4	¼ lb.
4453	3	10 to 16	4	½ lb.
4454	4	18 and Larger	4	½ lb.

For added convenience drive ¼" or ½" sq. dr. sockets with ⅜" sq. drive handles.

NO. 491 ⅜" FEMALE, ¼" MALE ADAPTOR
STD. PKG. 4. PKG. WT. ⅛ LB.

NO. 482 ⅜" FEMALE, ½" MALE ADAPTOR
STD. PKG. 4. PKG. WT. ¼ LB.

The short overall length of these universal joint sockets make them handy to reach "hard to get at" nuts. Spring loading holds socket at selected angle. Sockets stay on handles or extensions until you elect to remove them. Nominal length 1 11/16". 6 point openings.

No.	Size	Std. Pkg.	Pkg. Wt.	No.	Size	Std. Pkg.	Pkg. Wt.
4412UV	⅜"	2	⅛ lb.	**4420UV**	⅝"	2	¼ lb.
4414UV	7/16"	2	⅛ lb.	**4422UV**	11/16"	2	¼ lb.
4416UV	½"	2	⅛ lb.	**4424UV**	¾"	2	¼ lb.
4418UV	9/16"	2	¼ lb.				

For servicing drain plugs on Dynaflow and Hydramatic systems. An essential tool for every mechanics kit, and especially necessary for every service station.

NO. 4409SS 9/32" SQ. 4 PT. SOCKET
STD. PKG. 6. PKG. WT. ¼ LB.

Avoid danger of dropping Chrysler Fluid Coupling or Hudson "wet" clutch drain plug nuts into the housing. Compression spring holds nut securely, saves costly "tear downs." Preferred by mechanics as spring action does not wear out.

NO. 4422HT 11/16" SPECIAL HUDSON SOCKET
STD. PKG. 6. PKG. WT. ½ LB.

NO. 4424HT ¾" SPECIAL CHRYSLER SOCKET
STD. PKG. 6. PKG. WT. ¾ LB.

DURO-CHROME

TOOLS OF PROGRESS

CHROME ALLOY STEEL

6 POINT HAND TOOL SOCKETS

Especially designed with 6 point openings for positive grip where bolts or nuts are undersize or distorted with rounded corners. Straight thin walls.

No.	Size	Height	Std. Pkg.	Pkg. Wt.
4408H	1/4″	1 1/16″	6	1/4 lb.
4410H	5/16″	1 1/16″	6	1/4 lb.
4412H	3/8″	1 1/16″	6	1/2 lb.
4414H	7/16″	1 1/16″	6	1/2 lb.
4416H	1/2″	1 1/16″	6	1/2 lb.
4418H	9/16″	1 1/8″	6	1/2 lb.
4420H	5/8″	1 1/8″	6	1/2 lb.
4422H	11/16″	1 1/8″	6	3/4 lb.
4424H	3/4″	1 1/8″	6	3/4 lb.

NO. 5713 9 PC. SET 1/4″ TO 3/4″ IN TRAY
STD. PKG. 1. PKG. WT. 1 1/2 LBS.

NO. 9941 METAL TRAY ONLY
STD. PKG. 1. PKG. WT. 1/2 LB.

NO. 5790 7 PC. SET 3/8″ TO 3/4″ IN CARTON
STD. PKG. 1. PKG. WT. 1/2 LB.

DURO-CHROME SOCKETS are precision POLISHED with beautiful CHROME PLATED FINISH.

Scientifically designed for the professional mechanic. Extra clearance for tight places by perfect centering of openings is built into the STRONG THIN WALLS by Duro's patented HOT BROACHING process.

12 AND 8 POINT HAND TOOL SOCKETS

12 point sockets are considered as "regular" by most mechanics as they afford engagement with hexagon nuts and bolts in 1/12 of a turn. 8 point sockets have a similar advantage on square nuts and bolts.

No.	Size	Height	Std. Pkg.	Pkg. Wt.
4412	3/8″	1 1/16″	6	1/4 lb.
4414	7/16″	1 1/16″	6	1/4 lb.
4416	1/2″	1 1/16″	6	1/4 lb.
4418	9/16″	1 1/8″	6	1/2 lb.
4420	5/8″	1 1/8″	6	1/2 lb.
4422	11/16″	1 1/8″	6	3/4 lb.
4424	3/4″	1 1/8″	6	3/4 lb.
4412S*	3/8″ Sq.	1 1/16″	6	1/4 lb.
4414S*	7/16″ Sq.	1 1/8″	6	1/2 lb.
4416S*	1/2″ Sq.	1 1/8″	6	3/4 lb.

*These sockets are 8 point for square nuts.

Duro-Chrome sockets are made of CHROME ALLOY STEEL selected for high tensile strength—resistance to wear—high impact strength. Accurately HEAT TREATED to bring out the best qualities of the high grade alloy steel used.

Every Duro-Chrome socket is BEVELED at both openings for easy application to the handle and to the nut. Quick, positive attachment to handles is assured by RETAINING GROOVES in all four sides of the drive opening.

6 POINT EXTRA DEEP SOCKETS

Extra length provides more bolt clearance. 6 point extra deep are specified for aviation spark plugs. Also popular for auto body work.

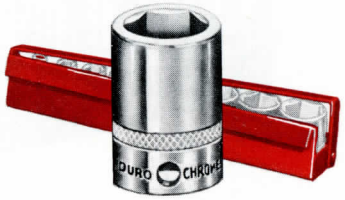
No.	Size	Ht.	Std. Pkg.	Pkg. Wt.
4441H	3/8″	2 1/16″	6	3/4 lb.
4442H	7/16″	2 1/16″	6	3/4 lb.
4443H	1/2″	2 1/16″	6	3/4 lb.
4444H	9/16″	2 1/16″	6	3/4 lb.
4445H	5/8″	2 1/2″	6	1 1/4 lbs.
4446H	11/16″	2 1/2″	6	1 1/4 lbs.
4447H	3/4″	2 1/2″	6	1 1/4 lbs.
4448H	13/16″	2 1/2″	6	1 1/4 lbs.

12 POINT EXTRA DEEP SOCKETS

For spark plugs or where nuts are set deeply.

No.	Size	Ht.	Std. Pkg.	Pkg Wt.
4442	7/16″	2 1/16″	6	1/2 lb.
4443	1/2″	2 1/16″	6	1/2 lb.
4444	9/16″	2 1/16″	6	1/2 lb.
4445	5/8″	2 1/16″	6	1 lb.
4445L	5/8″	2 1/2″	6	1 lb.
4446	11/16″	2 1/16″	6	1 lb.
4446L	11/16″	2 1/2″	6	1 1/4 lbs.
4447	3/4″	2 1/16″	6	1 1/4 lbs.
4447L	3/4″	2 1/2″	6	1 1/2 lbs.
4448	13/16″	2 1/2″	6	1 3/4 lbs.

6 PT. IMPACT TOOL SOCKETS



SIX POINT IMPACT TOOL SOCKETS are for power nut running and impact tools. Sockets have straight walls of minimum thickness, but adequate strength for driving or removing tough nuts. Accurately sized with ample bevel on nose for easy application and drilled for locking socket to driver.

No.	Size	Ht.	Std. Pkg.	Pkg. Wt.
4360	5/16″	1 3/16″	6	1/2 lb.
4362	3/8″	1 3/16″	6	1/2 lb.
4364	7/16″	1 3/16″	6	1/2 lb.
4366	1/2″	1 3/16″	6	3/4 lb.
4368	9/16″	1 1/4″	6	3/4 lb.
4370	5/8″	1 1/4″	6	1 lb.
4372	11/16″	1 1/4″	6	1 lb.
4374	3/4″	1 1/4″	6	1 1/4 lbs.

NO. 5714 8 PC. SET 5/16″ TO 3/4″ IN TRAY
STD. PKG. 1. PKG. WT. 1 1/2 LBS.

NO. 9941 METAL TRAY ONLY
STD. PKG. 1. PKG. WT. 1/2 LB.

NO. 5791 8 PC. SET 5/16″ TO 3/4″ IN CARTON
STD. PKG. 1. PKG. WT. 1 LB.

3/8″ SQ. DR. SOCKET SETS

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

Save time on every job with a 3/8″ Sq. Dr. socket set. The compact size and amazing strength of these gleaming tools makes ownership a pleasure as well as profitable.
Socket sets shown have been assembled for you by professional mechanics. Consideration of the range of sockets in each set and the combinations of extensions and handles will make it easy to select the set for your particular needs.

Popular in aviation, automotive, refrigeration and general service fields.
Boxes are made of heavy gauge steel with partitions for holding sockets. Finished in attractive green hammerloid enamel.
See Pages 2 and 3 for reasons why Duro-Chrome tools are better values.

6 PIECE SET

The complete series of versatile universal Joint Sockets in metal box. 6 point openings.

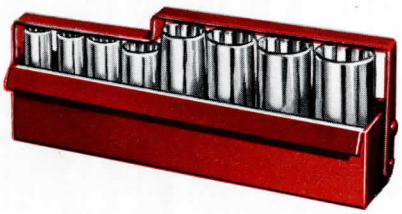
CONTENTS

No.	Description
4414UV	7/16″ Universal Joint Socket
4416UV	1/2″ Universal Joint Socket
4418UV	9/16″ Universal Joint Socket
4420UV	5/8″ Universal Joint Socket
4422UV	11/16″ Universal Joint Socket
4424UV	3/4″ Universal Joint Socket

NO. 5710 **6 PC. UNIVERSAL JOINT SOCKET SET**
STD. PKG. 1. PKG. WT. 1 LB.

NO. 9917 **METAL BOX, ONLY—6 7/8″ x 2″ x 1″**
STD. PKG. 1. PKG. WT. 1/2 LB.

8 PIECE SET



Carrying tray of extra deep sockets for spark plugs and work requiring long bolt clearance. Offered with 6 point or 12 point sockets (3/8″ socket is 6 point in either set).

CONTENTS

No.	Description
4441H	3/8″ Hex. 6 Pt. Extra Deep Socket
4442H	7/16″ Hex. 6 Pt. Extra Deep Socket
4443H	1/2″ Hex. 6 Pt. Extra Deep Socket
4444H	9/16″ Hex. 6 Pt. Extra Deep Socket
4445H	5/8″ Hex. 6 Pt. Extra Deep Socket
4446H	11/16″ Hex. 6 Pt. Extra Deep Socket
4447H	3/4″ Hex. 6 Pt. Extra Deep Socket
4448H	13/16″ Hex. 6 Pt. Extra Deep Socket

NO. 5712 **8 PC. 12 PT. EXTRA DEEP SOCKET SET**
STD. PKG. 1. PKG. WT. 2 LBS.

NO. 5711 **8 PC. 6 PT. EXTRA DEEP SOCKET SET**
STD. PKG. 1. PKG. WT. 2 LBS.

NO. 9944 **METAL TRAY, ONLY**
STD. PKG. 1. PKG. WT. 1/2 LB.

9 PIECE SET

A primary set with full range of sockets. Offered with 12 point or 6 point sockets.

CONTENTS

No.	Description
4412	3/8″ Hex. 12 Point Socket
4414	7/16″ Hex. 12 Point Socket
4416	1/2″ Hex. 12 Point Socket
4418	9/16″ Hex. 12 Point Socket
4420	5/8″ Hex. 12 Point Socket
4422	11/16″ Hex. 12 Point Socket
4424	3/4″ Hex. 12 Point Socket
4480	5 1/2″ Cross Bar
4481	10″ Swing Head Handle

NO. 5700 **9 PC. 12 PT. SOCKET SET**
STD. PKG. 1. PKG. WT. 2 3/4 LBS.

NO. 5701 **9 PC. 6 PT. SOCKET SET**
STD. PKG. 1. PKG. WT. 2 3/4 LBS.

NO. 9913 **METAL BOX, ONLY—9 3/4″ x 3 1/4″ x 1 1/4″**
STD. PKG. 1. PKG. WT. 1 1/4 LBS.

10 PIECE SET

A basic set featuring ratchet and full range of sockets in metal box. Offered with 6 point or 12 point sockets.

CONTENTS

No.	Description
4412	3/8″ Hex. 12 Point Socket
4414	7/16″ Hex. 12 Point Socket
4416	1/2″ Hex. 12 Point Socket
4418	9/16″ Hex. 12 Point Socket
4420	5/8″ Hex. 12 Point Socket
4422	11/16″ Hex. 12 Point Socket
4424	3/4″ Hex. 12 Point Socket
4433	6″ Extension
4481	10″ Swing Head Handle
4499	DeLuxe Reversible Ratchet

NO. 5702 **10 PC. 12 PT. SOCKET SET**
STD. PKG. 1. PKG. WT. 3 1/4 LBS.

NO. 5703 **10 PC. 6 PT. SOCKET SET**
STD. PKG. 1. PKG. WT. 3 1/4 LBS.

NO. 9913 **METAL BOX, ONLY—9 3/4″ x 3 1/4″ x 1 1/4″**
STD. PKG. 1. PKG. WT. 1 1/4 LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

13 PIECE SET

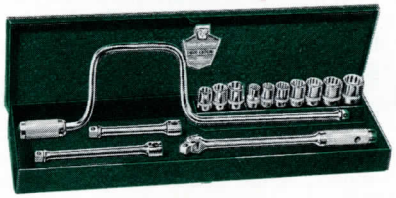
An advanced set in metal box. Offered with 6 point or 12 point sockets.

CONTENTS

No.	Description
4412	3/8" Hex. 12 Point Socket
4414	7/16" Hex. 12 Point Socket
4416	1/2" Hex. 12 Point Socket
4418	9/16" Hex. 12 Point Socket
4420	5/8" Hex. 12 Point Socket
4422	11/16" Hex. 12 Point Socket
4424	3/4" Hex. 12 Point Socket
4432	4 1/2" Extension
4433	6" Extension
4435	12" Extension
4497	Universal Joint
4485	16" Speeder
4499	DeLuxe Reversible Ratchet

NO. 5706 **13 PC. 12 PT. SOCKET SET** STD. PKG. 1. PKG. WT. 5½ LBS.
NO. 5707 **13 PC. 6 PT. SOCKET SET** STD. PKG. 1. PKG. WT. 5½ LBS.
NO. 9915 **METAL BOX, ONLY—17¼" x 5¼" x 1¼"** STD. PKG. 1. PKG. WT. 2¼ LBS.

14 PIECE SET



A more complete set, includes 8 point square as well as hexagon sockets in metal box. Offered with 6 point or 12 point hexagon sockets.

CONTENTS

No.	Description
4412	3/8" Hex. 12 Point Socket
4414	7/16" Hex. 12 Point Socket
4416	1/2" Hex. 12 Point Socket
4418	9/16" Hex. 12 Point Socket
4420	5/8" Hex. 12 Point Socket
4422	11/16" Hex. 12 Point Socket
4424	3/4" Hex. 12 Point Socket
4412S	3/8" Sq. 8 Point Socket
4414S	7/16" Sq. 8 Point Socket
4416S	1/2" Sq. 8 Point Socket
4432	4 1/2" Extension
4433	6" Extension
4481	10" Swing Head Handle
4485	16" Speeder

NO. 5704 **14 PC. 12 PT. SOCKET SET** STD. PKG. 1. PKG. WT. 5 LBS.
NO. 5705 **14 PC. 6 PT. SOCKET SET** STD. PKG. 1. PKG. WT. 5 LBS.
NO. 9915 **METAL BOX, ONLY—17¼" x 5¼" x 1¼"** STD. PKG. 1. PKG. WT. 2¼ LBS.

34 PIECE SET

Deluxe set with full range of sockets and handles. Any mechanic would be proud to own this time-saving set.

Offered as listed below or with all 6 point hexagon sockets, regular and extra deep.

Complete as shown.

CONTENTS

No.	Description	No.	Description	No.	Description
4408H	1/4" Hex. 6 Pt. Socket	4412UV	3/8" Universal Joint Socket	4446	11/16" Hex. 12 Pt. Ex. Deep Skt.
4410H	5/16" Hex. 6 Pt. Socket	4414UV	7/16" Universal Joint Socket	4447	3/4" Hex. 12 Pt. Ex. Deep Skt.
4412H	3/8" Hex. 6 Pt. Socket	4416UV	1/2" Universal Joint Socket	4448	13/16" Hex. 12 Pt. Ex. Deep Skt.
4414	7/16" Hex. 12 Pt. Socket	4418UV	9/16" Universal Joint Socket		
4416	1/2" Hex. 12 Pt. Socket	4420UV	5/8" Universal Joint Socket		
4418	9/16" Hex. 12 Pt. Socket	4422UV	11/16" Universal Joint Socket	4432	4 1/2" Extension
4420	5/8" Hex. 12 Pt. Socket	4424UV	3/4" Universal Joint Socket	4433	6" Extension
4422	11/16" Hex. 12 Pt. Socket	4441H	3/8" Hex. 6 Pt. Ex. Deep Skt.	4435	12" Extension
4424	3/4" Hex. 12 Pt. Socket	4442	7/16" Hex. 12 Pt. Ex. Deep Skt.	4497	Universal Joint
4412S	3/8" Sq. 8 Pt. Socket	4443	1/2" Hex. 12 Pt. Ex. Deep Skt.	4481	10" Swing Head Handle
4414S	7/16" Sq. 8 Pt. Socket	4444	9/16" Hex. 12 Pt. Ex. Deep Skt.	4485	16" Speeder
4416S	1/2" Sq. 8 Pt. Socket	4445	5/8" Hex. 12 Pt. Ex. Deep Skt.	4499	DeLuxe Reversible Ratchet

NO. 5708 **34 PC. 12 PT. SOCKET SET** STD. PKG. 1. PKG. WT. 13¼ LBS.
NO. 5709 **34 PC. 6 PT. SOCKET SET** STD. PKG. 1. PKG. WT. 13¼ LBS.
NO. 9916 **METAL BOX, ONLY—19" x 6⅝" x 6"** STD. PKG. 1. PKG. WT. 7½ LBS.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

Most popular with mechanics for general everyday use are ½″ square drive fittings and sockets.

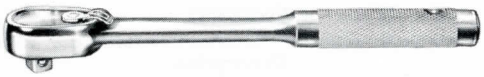
Fittings are proportioned to provide adequate leverage for loosening tight nuts. Handles are attractively knurled where necessary to insure a firm grip in soiled hands.

All male drive ends are chamfered for quick attachment to sockets; each end is provided with a spring loaded ball which engages the four way retaining grooves in sockets. No fumbling, no time lost; sockets are held on firmly, yet are readily removable.

Made from chrome alloy steel, heat treated, chrome plated and highly polished.

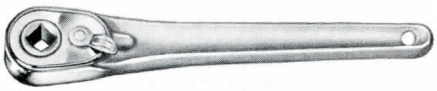
DeLuxe Reversible Ratchet, male drive. Has 80 tooth action; compact, round head. Works in restricted places. Length 10½″.

NO. 699D DELUXE REVERSIBLE RATCHET
STD. PKG. 1. PKG. WT. 1¼ LBS.



Reversible Ratchet, male drive. Smooth, sturdy action in 1/36th of a turn. Length 10½″.

NO. 680D REVERSIBLE RATCHET
STD. PKG. 4. PKG. WT. 6 LBS.



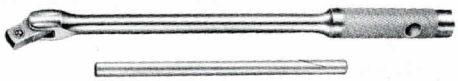
A fine ratchet where female drive is required. Operates in 1/36th of a turn. Length 9¼″.

NO. 676D REVERSIBLE RATCHET, FEMALE DRIVE
STD. PKG. 4. PKG. WT. 4¼ LBS.

For use with ratchets having female drive. No. 691D has knurled head for easy removal.

NO. 691D RATCHET ADAPTOR PLUG
STD. PKG. 4. PKG. WT. ½ LB.

NO. 692D 1¼″ EXTENSION
STD. PKG. 6. PKG. WT. ½ LB.



Swing head handles are the most used handle in your tool box. Forged fork end for extra strength. Spring loading holds head at any angle. Drilled for cross bar.

WITH ½″ SQ. FEMALE DRIVE IN HANDLE END

NO. 666D 11½″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. 5 LBS.

NO. 667D 15½″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. 6¼ LBS.

NO. 669D 18″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. 7 LBS.

WITH PLAIN HANDLE END

NO. 655DK 9½″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. 3½ LBS.

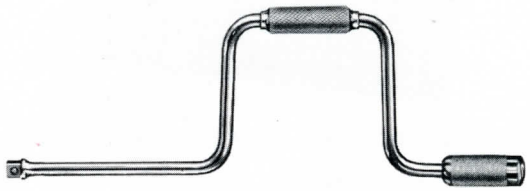
NO. 656DK 11½″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. 4¼ LBS.

NO. 657DK 15½″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. 5¾ LBS.

NO. 658DK 18″ SWING HEAD HANDLE
STD. PKG. 4. PKG. WT. 7¾ LBS.

Cross bar for use with swing head handles, extensions, or deep wall sockets. Length 9″.

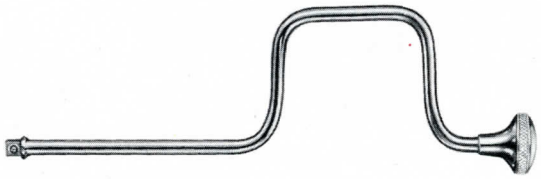
NO. 668D 9″ CROSS BAR
STD. PKG. 6. PKG. WT. 1¾ LBS.



Slip-proof handle and a revolving grip for speed and comfort. Has ball thrust bearing.

NO. 651KG 18″ SPEEDER
STD. PKG. 4. PKG. WT. 8¾ LBS.

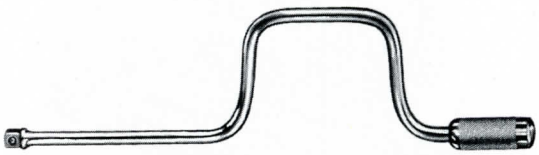
NO. 652KG 14″ SPEEDER
STD. PKG. 4. PKG. WT. 8½ LBS.



Bulb type handle. Has ball thrust bearing.

NO. 651D 18″ SPEEDER
STD. PKG. 4. PKG. WT. 7¾ LBS.

NO. 652D 12″ SPEEDER
STD. PKG. 4. PKG. WT. 6¼ LBS.



Slip-proof knurled handle. Has ball thrust bearing.

NO. 651DK 18″ SPEEDER
STD. PKG. 4. PKG. WT. 7 LBS.

NO. 652DK 12″ SPEEDER
STD. PKG. 4. PKG. WT. 6 LBS.

Slide "T" head is notched to slide flush with end of bar. Head is also spring loaded to hold it in any position.

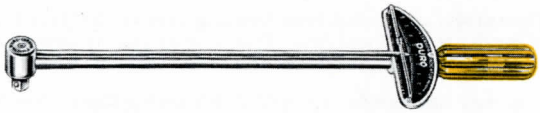
NO. 663D 11″ SLIDE "T" HANDLE
STD. PKG. 4. PKG. WT. 4 LBS.

NO. 650D 16″ SLIDE "T" HANDLE
STD. PKG. 6. PKG. WT. 8 LBS.

DURO-CHROME

TOOLS OF PROGRESS

CHROME ALLOY STEEL



Two torque measuring wrenches are available in ½″ Sq. Drive. One with maximum range of 100 foot lbs.; the other 150 foot lbs., both with scales graduated in 2½ foot lb. units. Sturdy beam construction assures long life and accuracy within 2% of scale. Manufacturers' recommendations for cylinder heads, connecting rods and other parts for nearly every car come within the range of these wrenches. A chart is packed with every wrench. Length 18″.

NO. 8099½ **½″ SQ. DR. TENSION WRENCH**
Range 100 Ft. Lbs.
STD. PKG. 1. PKG. WT. 1¾ LBS.

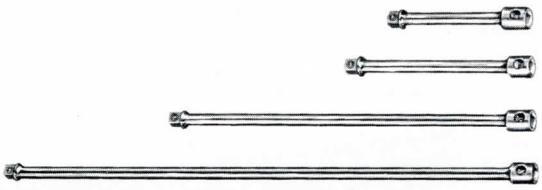
NO. 8099½H **½″ SQ. DR. TENSION WRENCH**
Range 150 Ft. Lbs.
STD. PKG. 1. PKG. WT. 1¾ LBS.

When using above tension wrench on Valve-in-head engines it is usually necessary to use these sweep extensions to clear rocker arms.

No.	Description	Std. Pkg.	Pkg. Wt.
2181	⅝″ 12 Pt. Wide Sweep	2	1¼ lbs.
2182	⅝″ 12 Pt. Close Sweep	2	1 lb.
2183	¾″ 12 Pt. Wide Sweep	2	1¼ lbs.
2184	¾″ 12 Pt. Close Sweep	2	1 lb.

Speed up work in tight places with a universal joint. Spring loading holds drive at any angle. Length 2⅝″.

NO. 588D **½″ SQ. DR. UNIVERSAL JOINT**
STD. PKG. 6. PKG. WT. 2 LBS.



Four popular lengths to clear obstructions. Heads forged for strength and drilled for cross bar.

NO. 662D **3″ EXTENSION**
STD. PKG. 6. PKG. WT. 1½ LBS.

NO. 664D **5½″ EXTENSION**
STD. PKG. 6. PKG. WT. 2 LBS.

NO. 665D **10″ EXTENSION**
STD. PKG. 6. PKG. WT. 3½ LBS.

NO. 688D **18″ EXTENSION**
STD. PKG. 4. PKG. WT. 4¾ LBS.

Double male extension for use with ratchet having female drive. Length 6″.

NO. 686D **6″ EXTENSION**
STD. PKG. 4. PKG. WT. 1¼ LBS.

Shaft has knurled revolving grip. Length 10″.

NO. 665DG **10″ REVOLVING GRIP EXTENSION**
STD. PKG. 4. PKG. WT. 3½ LBS.

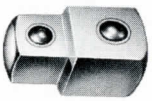
Use these Adaptors with ratchet or speeder to drive Phillips type screws faster. Length 2⅞″.

No.	Point	For Phillips Screw Size	Std. Pkg.	Pkg. Wt.
552	2	5 to 9 inclusive	4	½ lb.
553	3	10 to 16 inclusive	4	½ lb.
554	4	18 and larger	4	½ lb.

An added convenience used for driving ⅜″ or ¾″ sq. dr. sockets with ½″ sq. dr. handles.

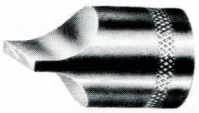
NO. 492 **½″ FEMALE, ⅜″ MALE ADAPTOR**
STD. PKG. 4. PKG. WT. ½ LB.

NO. 483 **½″ FEMALE, ¾″ MALE ADAPTOR**
STD. PKG. 4. PKG. WT. 1 LB.



Double male adaptor for use with ratchet having female drive.

NO. 4293 **½″ x ¾″ DOUBLE MALE ADAPTOR**
STD. PKG. 3. PKG. WT. ¾ LB.



This socket has standard ½″ sq. dr. and is especially designed for adjusting drag links or use as a heavy duty screwdriver. Bit .150″ thick, 15/16″ wide.

NO. 1305 **DRAG LINK SOCKET**
STD. PKG. 6. PKG. WT. ¾ LB.

Special Ford connecting rod sockets must be tapered down smaller than good engineering design permits. Although made of best chrome alloy steel they are not guaranteed.

NO. 1618V8XX **12 PT. 9/16″ SOCKET FOR "V8" FORDS EXCEPT "V8-60"**
STD. PKG. 6. PKG. WT. ¾ LB.

NO. 1618V8X **6 PT. 9/16″ SOCKET**
STD. PKG. 6. PKG. WT. 1 LB.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

The gleaming, highly polished, chrome plated surface is a feature of all Duro-Chrome sockets. Makes them attractive to own and a pleasure to use.

Select the style of socket which best fits your individual needs. Socket walls are thin and smooth with uniform wall thickness. They will go into the tightest spots and turn the toughest nuts.

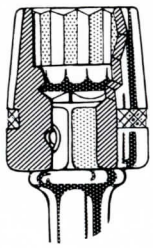
Extra durability is built into Duro-Chrome sockets by manufacturing processes which bring out the best qualities of the high grade chrome alloy steel used. The "teeth" are put into accurately machined socket blanks while red hot by Duro's patented "Hot Broach" method. There are no tears, stresses or cracks which will later cause socket failure.

Electrically controlled heat treating insures the right degree of hardness and toughness. That is why Duro-Chrome sockets are up to 25% stronger than conventional sockets.

You will appreciate the special features such as the bevel on both socket openings for easy application to the handle and to the nut.

Sockets lock on without looking! Built into the male end of every Duro handle is a small spring loaded ball and formed into each of the four sides of the socket drive opening is a retaining groove to receive the ball. No fumbling, no time lost as with cumbersome single position locking devices. No slipping off the handle until you decide to separate them.

TAPERED WALL SOCKETS



This style is universally used by mechanics for everyday work. Double hexagon or double square for maximum utility.

12 POINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt.
1614	7/16″	1 1/2″	6	3/4 lb.
1616	1/2″	1 1/2″	6	3/4 lb.
1618	9/16″	1 1/2″	6	3/4 lb.
1619	19/32″	1 9/16″	6	3/4 lb.
1620	5/8″	1 9/16″	6	3/4 lb.
1621	21/32″	1 9/16″	6	1 lb.
1622	11/16″	1 9/16″	6	1 lb.
1624	3/4″	1 9/16″	6	1 lb.
1625	25/32″	1 5/8″	6	1 1/4 lbs.
1626	13/16″	1 5/8″	6	1 1/2 lbs.
1628	7/8″	1 21/32″	6	1 3/4 lbs.
1630	15/16″	1 21/32″	6	2 lbs.
1632	1″	1 21/32″	6	2 lbs.
1634	1 1/16″	1 21/32″	6	2 1/4 lbs.
1636	1 1/8″	1 21/32″	6	2 1/2 lbs.
1638	1 3/16″	1 21/32″	6	3 lbs.
1640	1 1/4″	1 21/32″	6	3 1/4 lbs.

8 POINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt.
1612S	3/8″	1 7/16″	6	3/4 lb.
1614S	7/16″	1 15/32″	6	3/4 lb.
1616S	1/2″	1 15/32″	6	1 lb.
1618S	9/16″	1 15/32″	6	1 lb.
1620S	5/8″	1 15/32″	6	1 1/4 lbs.
1622S	11/16″	1 15/32″	6	1 1/2 lbs.
1624S	3/4″	1 15/32″	6	2 lbs.
1626S	13/16″	1 17/32″	6	2 1/4 lbs.
1628S	7/8″	1 19/32″	6	2 3/4 lbs.

Replace those worn out sockets with a complete set in a handy metal tray. Take the tray to the job. Flanges on tray will hook on edge of tool box or tote tray. Handle prevents spilling.

STRAIGHT WALL SOCKETS

Straight wall sockets are perfect where only the minimum clearance is available. Offered in 6 point single hexagon. Especially desired by aviation mechanics and auto body repairmen. Six point sockets are particularly desirable for use on undersize or worn bolts and nuts.

6 POINT SOCKETS

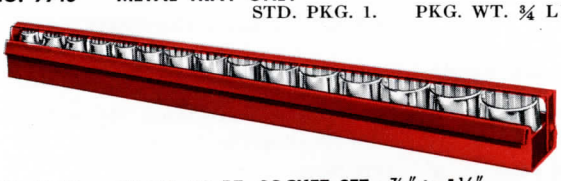
No.	Size	Length	Std. Pkg.	Pkg. Wt.
1114H	7/16″	1 1/2″	6	3/4 lb.
1116H	1/2″	1 1/2″	6	3/4 lb.
1118H	9/16″	1 1/2″	6	3/4 lb.
1120H	5/8″	1 9/16″	6	3/4 lb.
1122H	11/16″	1 9/16″	6	1 lb.
1124H	3/4″	1 9/16″	6	1 lb.
1126H	13/16″	1 5/8″	6	1 1/2 lbs.
1128H	7/8″	1 21/32″	6	1 1/2 lbs.
1130H	15/16″	1 21/32″	6	1 3/4 lbs.
1132H	1″	1 21/32″	6	2 lbs.

NO. 5890 **10 PC. SET—7/16″ to 1″ in carton**
STD. PKG. 1. PKG. WT. 2 LBS.

Add a complete set of 6 point straight wall sockets to your present set. Tray can be hooked on edge of tool box or tote tray. Handle prevents sockets falling out.

NO. 5811 **10 PC. 6 PT. SOCKET SET—7/16″ to 1″**
STD. PKG. 1. PKG. WT. 2 3/4 LBS.

NO. 9940 **METAL TRAY ONLY**
STD. PKG. 1. PKG. WT. 3/4 LB.



NO. 5810 **15 PC. 12 PT. SOCKET SET—7/16″ to 1 1/4″**
STD. PKG. 1. PKG. WT. 5 LBS.

NO. 9945 **METAL TRAY ONLY**
STD. PKG. 1. PKG. WT. 1 1/4 LBS.

NO. 5819 **12 PC. 12 PT. SOCKET SET—7/16″ to 1″**
STD. PKG. 1. PKG. WT. 3 1/4 LBS.

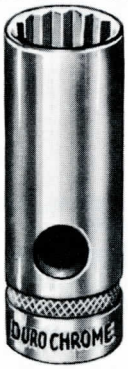
NO. 9943 **METAL TRAY ONLY**
STD. PKG. 1. PKG. WT. 3/4 LB.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

EXTRA DEEP SOCKETS



Especially designed for spark plugs, "U" bolts, and deeply recessed nuts. Strong thin walls. Drilled for cross bar.

12 POINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt.
1416	1/2"	3 1/4"	6	1 1/2 lbs.
1418	9/16"	3 1/4"	6	1 3/4 lbs.
1420	5/8"	3 1/4"	6	1 3/4 lbs.
1422	11/16"	3 1/4"	6	1 3/4 lbs.
1424	3/4"	3 1/4"	6	2 lbs.
1425	25/32"	3 1/4"	6	2 lbs.
1426	13/16"	3 1/4"	6	2 lbs.
1427	53/64"	3 1/4"	6	2 lbs.
1428	7/8"	3 1/4"	6	2 1/4 lbs.
1429	29/32"	3 1/4"	6	2 1/2 lbs.
1430	15/16"	3 1/4"	6	3 lbs.
1432	1"	3 1/4"	6	3 1/4 lbs.
1434	1 1/16"	3 1/4"	6	4 1/4 lbs.

Spark plug socket set. Sizes 5/8", 11/16", 13/16", 7/8" and 1" extra deep sockets with 6" "L" handle in metal box.

NO. 5815 **6 PC. SPARK PLUG SOCKET SET**
STD. PKG. 1. PKG. WT. 2 3/4 LBS.

NO. 9918 **METAL BOX ONLY**
STD. PKG. 1. PKG. WT. 3/4 LB.

IMPACT TOOL SOCKETS

For power nut running and impact tools. A six point, "Hot Broached", straight walled socket. Has ample bevel on nose for easy application and drilled for locking to socket driver. Accurately sized, fully polished and chrome plated.

No.	Size	Length	Std. Pkg.	Pkg. Wt.
1164	7/16"	1 11/16"	6	3/4 lb.
1166	1/2"	1 11/16"	6	1 lb.
1168	9/16"	1 11/16"	6	1 lb.
1169	19/32"	1 11/16"	6	1 lb.
1170	5/8"	1 3/4"	6	1 lb.
1172	11/16"	1 3/4"	6	1 lb.
1174	3/4"	1 3/4"	6	1 3/4 lbs.
1175	25/32"	1 13/16"	6	1 3/4 lbs.
1176	13/16"	1 13/16"	6	2 lbs.
1178	7/8"	1 13/16"	6	2 lbs.
1180	15/16"	1 13/16"	6	2 1/2 lbs.
1182	1"	1 7/8"	6	3 lbs.
1184	1 1/16"	1 7/8"	6	3 1/4 lbs.
1186	1 1/8"	1 7/8"	6	3 1/4 lbs.
1190	1 1/4"	1 7/8"	6	4 lbs.

NO. 5891 **6 PC. IMPACT SOCKET SET—7/16", 1/2", 9/16", 5/8", 11/16" and 3/4" in carton.**
STD. PKG. 1. PKG. WT. 1 1/2 LBS.

Ten piece set of Impact Sockets sizes 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1" in convenient metal tray.

NO. 5820 **10 PC. IMPACT SOCKET SET**
STD. PKG. 1. PKG. WT. 3 1/2 LBS.

NO. 9940 **METAL TRAY ONLY**
STD. PKG. 1. PKG. WT. 3/4 LB.

Nine popular extra deep sockets 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1" in handy tray to hook on edge of tote tray or tool box.

NO. 5817 **9 PC. EXTRA DEEP SOCKET SET**
STD. PKG. 1. PKG. WT. 4 1/4 LBS.

NO. 9942 **METAL TRAY ONLY**
STD. PKG. 1. PKG. WT. 1 LB.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

These carefully planned sets are graduated in range of socket openings and selection of fittings according to the needs of professional mechanics. Only the most needed, most used tools are included. You will appreciate the utility built into the set of your choice.

The attractive green hammerloid enamelled boxes are made of heavy gauge steel with partitions for holding sockets.

See page 2 for reasons why Duro-Chrome tools are better values.

12 PIECE SET

A primary set with 10 sockets, extension and swing head handle. Complete as shown.

CONTENTS

No.	Description	No.	Description
1614	7/16″ 12 Pt. Socket	1626	13/16″ 12 Pt. Socket
1616	1/2″ 12 Pt. Socket	1628	7/8″ 12 Pt. Socket
1618	9/16″ 12 Pt. Socket	1630	15/16″ 12 Pt. Socket
1620	5/8″ 12 Pt. Socket	1632	1″ 12 Pt. Socket
1622	11/16″ 12 Pt. Socket	664D	5 1/2″ Extension
1624	3/4″ 12 Pt. Socket	666D	11 1/2″ Sw. Hd. Hdle.

NO. 5803 **12 PC. SOCKET SET**
STD. PKG. 1. PKG. WT. 5 3/4 LBS.

NO. 9919 **BOX, ONLY—12 1/4″ x 2 3/4″ x 2″**
STD. PKG. 1. PKG. WT. 2 LBS.

13 PIECE SET

A more complete set with Deluxe reversible ratchet. As illustrated.

CONTENTS

No.	Description	No.	Description
1614	7/16″ 12 Pt. Socket	1628	7/8″ 12 Pt. Socket
1616	1/2″ 12 Pt. Socket	1630	15/16″ 12 Pt. Socket
1618	9/16″ 12 Pt. Socket	1632	1″ 12 Pt. Socket
1620	5/8″ 12 Pt. Socket	664D	5 1/2″ Extension
1622	11/16″ 12 Pt. Socket	667D	15 1/2″ Sw. Hd. Hdle.
1624	3/4″ 12 Pt. Socket	699D	Rev. Ratchet
1626	13/16″ 12 Pt. Socket		

NO. 5804 **13 PC. SOCKET SET**
STD. PKG. 1. PKG. WT. 10 LBS.

NO. 9922 **BOX, ONLY—18 1/2″ x 5 3/4″ x 3 1/2″**
STD. PKG. 1. PKG. WT. 4 1/2 LBS.

19 PIECE SET

A basic socket set with complete range of sockets 7/16″ to 1 1/4″. Roomy streamlined box has lift out tray.

CONTENTS

No.	Description	No.	Description
1614	7/16″ 12 Pt. Socket	1630	15/16″ 12 Pt. Socket
1616	1/2″ 12 Pt. Socket	1632	1″ 12 Pt. Socket
1618	9/16″ 12 Pt. Socket	1634	1 1/16″ 12 Pt. Socket
1619	19/32″ 12 Pt. Socket	1636	1 1/8″ 12 Pt. Socket
1620	5/8″ 12 Pt. Socket	1640	1 1/4″ 12 Pt. Socket
1622	11/16″ 12 Pt. Socket	664D	5 1/2″ Extension
1624	3/4″ 12 Pt. Socket	665D	10″ Extension
1625	25/32″ 12 Pt. Socket	669D	18″ Sw. Hd. Hdle.
1626	13/16″ 12 Pt. Socket	699D	Rev. Ratchet
1628	7/8″ 12 Pt. Socket		

NO. 5805 **19 PC. SOCKET SET**
STD. PKG. 1. PKG. WT. 15 1/4 LBS.

NO. 9910 **BOX, ONLY—19″ x 6 5/8″ x 6″**
STD. PKG. 1. PKG. WT. 7 1/2 LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

21 PIECE SET

Complete range of sockets 7/16″ to 1¼″ with added convenience of more attachments for a wider range of combinations to meet special job conditions. Sturdy box has lift out tray.

CONTENTS

No.	Description	No.	Description	No.	Description
1614	7/16″ 12 Pt. Socket	1625	25/32″ 12 Pt. Socket	1640	1¼″ 12 Pt. Socket
1616	½″ 12 Pt. Socket	1626	13/16″ 12 Pt. Socket	588D	Universal Joint
1618	9/16″ 12 Pt. Socket	1628	⅞″ 12 Pt. Socket	651DK	18″ Speeder
1619	19/32″ 12 Pt. Socket	1630	15/16″ 12 Pt. Socket	664D	5½″ Extension
1620	⅝″ 12 Pt. Socket	1632	1″ 12 Pt. Socket	665D	10″ Extension
1622	11/16″ 12 Pt. Socket	1634	1 1/16″ 12 Pt. Socket	669D	18″ Swing Head Handle
1624	¾″ 12 Pt. Socket	1636	1⅛″ 12 Pt. Socket	699D	Reversible Ratchet

NO. 5818 **21 PIECE SOCKET SET** STD. PKG. 1. PKG. WT. 17½ LBS.
NO. 9910 **BOX, ONLY—19″ x 6⅝″ x 6″** STD. PKG. 1. PKG. WT. 7½ LBS.

43 PIECE TOOL SET

This basic tool set offers a complete socket range, as well as open end and box end wrenches, screw drivers and other tools used every day by every mechanic. Attractive box of heavy gauge steel has lift out tray. Complete as shown.

CONTENTS

No.	Description	No.	Description	No.	Description
	½″ SQUARE DRIVE		**OPEN END WRENCHES**		**SCREW DRIVERS**
1614	7/16″ 12 Pt. Socket	P723	⅜″ x 7/16″ End Wrench	4603	⅛″ x 3″ Round Blade
1616	½″ 12 Pt. Socket	P725B	½″ x 9/16″ End Wrench	4714	3/16″ x 4″ Square Blade
1618	9/16″ 12 Pt. Socket	P27	19/32″ x 11/16″ End Wrench	4726	¼″ x 6″ Square Blade
1620	⅝″ 12 Pt. Socket	P729	⅝″ x ¾″ End Wrench	4681	Phillips No. 1 Point
1622	11/16″ 12 Pt. Socket	P731B	13/16″ x ⅞″ End Wrench	4682	Phillips No. 2 Point
1624	¾″ 12 Pt. Socket	P33C	15/16″ x 1″ End Wrench		
1626	13/16″ 12 Pt. Socket		**BOX END WRENCHES**		**MISCELLANEOUS TOOLS**
1628	⅞″ 12 Pt. Socket	911	⅜″ x 7/16″ Box Wrench		
1630	15/16″ 12 Pt. Socket	912	½″ x 9/16″ Box Wrench	1530-12	Ball Pein Hammer
1632	1″ 12 Pt. Socket	913	⅝″ x 11/16″ Box Wrench	1902	⅝″ x 6″ Cold Chisel
664D	5½″ Extension	914	¾″ x 25/32″ Box Wrench	1951	⅛″ Long Taper Punch
667D	15½″ Swing Head Handle	915	13/16″ x ⅞″ Box Wrench	1970	7/32″ Center Punch
680D	Reversible Ratchet		**HEX. SET SCREW WRENCHES**	2088	10″ Adjustable Wrench
				2097	8″ Utility Plier
		199	7 Piece Set. Sizes 5/64″, 3/32″, ⅛″, 5/32″, 3/16″, 7/32″, ¼″.	9031	Hacksaw

NO. 5814 **43 PIECE TOOL SET** STD. PKG. 1. PKG. WT. 20 LBS.
NO. 9910 **BOX, ONLY—19″ x 6⅝″ x 6″** STD. PKG. 1. PKG. WT. 7½ LBS.

1/2″ SQ. DR. TOOL SET

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

47 AND 36 PIECE TOOL SETS

An ideal tool set for any maintenance man. Has complete range of 1/4″ and 1/2″ square drive sockets including three popular, extra deep spark plug sockets with attachments for speedy, profitable work.

Also a selection of open end and box end wrenches. Ample room is provided for additional tools in the streamlined green hammerloid enamelled box with lift out tray. Also offered without the 1/4″ square drive set.

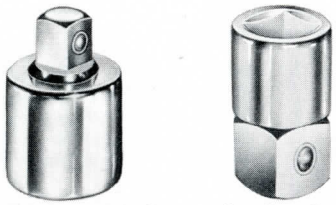
CONTENTS

No.	Description	No.	Description	No.	Description
	1/4″ SQUARE DRIVE	1620	5/8″ 12 Pt. Socket	665D	10″ Extension
4508	1/4″ 6 Pt. Socket	1622	11/16″ 12 Pt. Socket	669D	18″ Swing Head Handle
4509	9/32″ 6 Pt. Socket	1624	3/4″ 12 Pt. Socket	699D	Reversible Ratchet
4510	5/16″ 6 Pt. Socket	1625	25/32″ 12 Pt. Socket		**OPEN END WRENCHES**
4511	11/32″ 6 Pt. Socket	1626	13/16″ 12 Pt. Socket	1723	3/8″ x 7/16″ End Wrench
4512	3/8″ 6 Pt. Socket	1628	7/8″ 12 Pt. Socket	1725B	1/2″ x 9/16″ End Wrench
4514	7/16″ 6 Pt. Socket	1630	15/16″ 12 Pt. Socket	1027	19/32″ x 11/16″ End Wrench
4508S	1/4″ 8 Pt. Sq. Socket	1632	1″ 12 Pt. Socket	1729	5/8″ x 3/4″ End Wrench
4510S	5/16″ 8 Pt. Sq. Socket	1634	1 1/16″ 12 Pt. Socket	1731B	13/16″ x 7/8″ End Wrench
4512S	3/8″ 8 Pt. Sq. Socket	1636	1 1/8″ 12 Pt. Socket	1033C	15/16″ x 1″ End Wrench
4550	6″ Swing Head Handle	1640	1 1/4″ 12 Pt. Socket		**LONG 45°**
4555	4″ Cross Bar	1420	5/8″ Hex. 12 Pt. Ex. Deep Skt.		**BOX END WRENCHES**
	1/2″ SQUARE DRIVE	1422	11/16″ Hex. 12 Pt. Ex. Deep Skt.	2051	3/8″ x 7/16″ Box Wrench
1614	7/16″ 12 Pt. Socket	1426	13/16″ Hex. 12 Pt. Ex. Deep Skt.	2052	1/2″ x 9/16″ Box Wrench
1616	1/2″ 12 Pt. Socket	588D	Universal Joint	2053	5/8″ x 11/16″ Box Wrench
1618	9/16″ 12 Pt. Socket	651DK	18″ Speeder	2054	3/4″ x 25/32″ Box Wrench
1619	19/32″ 12 Pt. Socket	664D	5 1/2″ Extension	2055	13/16″ x 7/8″ Box Wrench
				2056	15/16″ x 1″ Box Wrench

NO. 5807	**47 PIECE TOOL SET**	STD. PKG. 1.	PKG. WT. 28 LBS.
NO. 5808	**36 PIECE TOOL SET (LESS 1/4″ SQ. DR. SET)**	STD. PKG. 1.	PKG. WT. 27 LBS.
NO. 9914	**BOX, ONLY—19″ x 7 3/16″ x 7 7/8″**	STD. PKG. 1.	PKG. WT. 10 LBS.

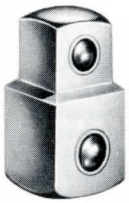
See pages 20 to 23 for other Tool Sets.

Reducing and Increasing Adaptors



These adaptors will permit the use of sockets having a square drive of a size smaller or larger than the drive handle at hand.

No.	Female	Male	Std. Pkg.	Pkg. Wt.
481	1/4″ Square	3/8″ Square	4	1/8 lb.
482	3/8″ Square	1/2″ Square	4	1/4 lb.
483	1/2″ Square	3/4″ Square	4	1 lb.
491	3/8″ Square	1/4″ Square	4	1/8 lb.
492	1/2″ Square	3/8″ Square	4	1/2 lb.
493	3/4″ Square	1/2″ Square	4	1 3/4 lbs.



When used with female drive ratchets these double male adaptors allow use of sockets having a smaller or larger square drive.

No.	Size	Std. Pkg.	Pkg. Wt.
4493	1/4″ x 3/8″ Square	4	1/8 lb.
4293	1/2″ x 3/4″ Square	3	3/4 lb.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

Manufacturers of cars and other mechanical equipment have determined by experience that better performance and longer life can be obtained from machines by tightening certain bolts or groups of bolts to a uniform degree of tightness. Even an experienced mechanic cannot tighten a group of bolts, such as cylinder head bolts, evenly; but with a Duro-Chrome Tension Indicating Wrench, an unskilled apprentice can quickly and accurately tighten bolts uniformly to manufacturers' recommendation.

Torque is twist and is usually measured in foot pounds. For example: Imagine yourself pulling with a force of ten pounds at right angle to the handle of a wrench and at a distance of 1½ feet from a bolt being tightened. The torque or twist exerted would be ten pounds multiplied by 1½ feet or 15 foot pounds. Changing the distance of grip on the wrench, or changing the strength of pull, or changing the angle of pull, will change the torque applied.

The Duro-Chrome Tension Indicating Wrench instantly makes all of the calculations for you. Its simplified rugged construction uses a centerless ground alloy steel beam which accurately indicates on a clearly marked scale without any fragile or complicated mechanisms. The slide marker over the scale can be set to the proper point and after that it is only necessary to watch the pointer and the marker which can easily be done from practically any position.

Every wrench must test to within 2% of scale accuracy before it can be shipped.

NO. 8099¼ ¼″ SQUARE DRIVE TENSION WRENCH

This wrench has a range of 120 inch pounds (10 foot pounds) and is especially desirable for small delicate work such as measuring the preload drag on bearings, etc.

NO. 8099⅜ ⅜″ SQUARE DRIVE TENSION WRENCH

This wrench has a maximum range of 50 foot pounds, which covers many of the tensions recommended for lighter cars as well as various appliances, and for airplane applications. Also necessary for adjusting automatic transmissions.

NO. 8099½ ½″ SQUARE DRIVE TENSION WRENCH

Has range of 100 foot pounds which is ample for recommended tightening of spark plugs, cylinder head bolts, connecting rod bolts and most passenger car main bearing bolts.

NO. 8099½H ½″ SQUARE DRIVE TENSION WRENCH

For all around purpose this ½″ square drive Tension Wrench, with maximum range of 150 foot pounds will be found most desirable. Manufacturers' recommendations for Spark Plugs, Cylinder Head bolts, Connecting Rod and Main Bearing bolts, and other parts on nearly every car, come within the range of this Wrench. Similar recommendations for popular trucks are also within the range of this Wrench.

NO. 8099¾ ¾″ SQUARE DRIVE TENSION WRENCH

This Wrench, with a maximum range of 300 foot pounds, is designed for heavy duty work such as Diesel Engines, Tractors, Trucks, Road Machinery and other heavy machines, and should be used where tensions between 150 foot pounds and 300 foot pounds are to be gauged.

Full Instructions and Charts are packed with each Wrench

Number	Size Drive	Max. Range	Graduation	Length	Std. Pkg.	Pkg. Wt.
8099¼	¼″ Square	120 In. Lbs.	5 In. Lb. Units	9″	1	½ lb.
8099⅜	⅜″ Square	50 Ft. Lbs.	2½ Ft. Lb. Units	13″	1	¾ lb.
8099½	½″ Square	100 Ft. Lbs.	2½ Ft. Lb. Units	18″	1	1¾ lbs.
8099½H	½″ Square	150 Ft. Lbs.	2½ Ft. Lb. Units	18″	1	2 lbs.
8099¾	¾″ Square	300 Ft. Lbs.	5 Ft. Lb. Units	30″	1	5½ lbs.

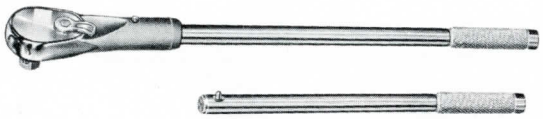
See pages 4, 6, 11 and 18 for Extension Offsets and Attachments

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

Heavy duty equipment such as trucks, tractors, road machinery and industrial machines require the use of ¾″ sq. dr. sockets and handles. Made of tough chrome alloy steel, heat treated to ultimate strength, assuring success when tackling those big jobs. Highly polished and fully chrome plated.



Heavy duty reversible ratchet head can be ordered with either an 18″ or 24″ detachable handle. Notice how handle locks to ratchet head with spring loaded locking pin. Drop Forged ratchet head is made under our exclusive patents and will stand heavy use without damage to any part. Ratchet action in 1/48 of a turn.

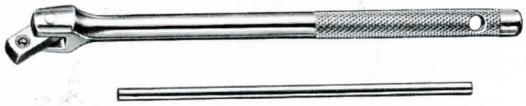
NO. 4282 **24″ REVERSIBLE RATCHET COMPLETE**
(Consists of No. 4278 Head and No. 4281 Handle.)
STD. PKG. 1. PKG. WT. 6½ LBS.

NO. 4280 **18″ REVERSIBLE RATCHET COMPLETE**
(Consists of No. 4278 Head and No. 4279 Handle.)
STD. PKG. 1. PKG. WT. 5¼ LBS.

NO. 4278 **REVERSIBLE RATCHET HEAD ONLY**
STD. PKG. 1. PKG. WT. 3 LBS.

NO. 4281 **24″ HANDLE ONLY**
STD. PKG. 1. PKG. WT. 3 LBS.

NO. 4279 **18″ HANDLE ONLY**
STD. PKG. 1. PKG. WT. 2 LBS.



Swing head handle provides adequate leverage to break loose rusted nuts or bolts and speed them off. Forks forged for strength. Handle drilled for use with cross bar as a T handle. Length 19″.

NO. 4266 **19″ SWING HEAD HANDLE**
STD. PKG. 2. PKG. WT. 7 LBS.

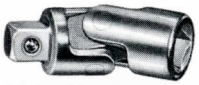
NO. 4267 **12″ CROSS BAR**
STD. PKG. 2. PKG. WT. 1¾ LBS.

Sliding head is notched so it will slide flush with end of bar and has spring loaded ball to hold head in any position. Length 18″.

NO. 4263 **18″ SLIDE T HANDLE**
STD. PKG. 2. PKG. WT. 6½ LBS.

Tension indicating wrench has range of 300 foot pounds graduated in 5 ft. lb. units. For heavy duty machines. Sturdy construction, direct reading, with no "mechanism" to get out of order.

NO. 8099¾ **¾″ SQ. DR. TENSION WRENCH**
STD. PKG. 1. PKG. WT. 5½ LBS.



Reach around obstructions with a smooth working universal joint. Spring loading holds drive at any angle. Length 3 11/16″.

NO. 4296 **UNIVERSAL JOINT**
STD. PKG. 1. PKG. WT. 1 LB.

NO. 4262 **4″ EXTENSION**
STD. PKG. 2. PKG. WT. 1½ LBS.

NO. 4264 **8″ EXTENSION**
STD. PKG. 2. PKG. WT. 2½ LBS.

NO. 4265 **16″ EXTENSION**
STD. PKG. 2. PKG. WT 4¼ LBS.

Adaptor allows use of ½″ sq. dr. sockets with ¾″ sq. dr. handles. Length 2″.

NO. 493 **¾″ FEMALE, ½″ MALE ADAPTOR**
STD. PKG. 4. PKG. WT. 1¾ LBS.

Accurately "Hot Broached" from chrome alloy steel, these sockets are of minimum wall thickness, but of adequate strength to turn the tightest bolt or nut. Fully polished and brightly chrome plated.

Hexagon - 12 Point - Sockets

No.	Size	Length	Std. Pkg.	Pkg. Wt.
4128	7/8″	1 13/16″	3	1 lb.
4130	15/16″	1 13/16″	3	1 lb.
4132	1″	1 13/16″	3	1½ lbs.
4134	1 1/16″	1 15/16″	3	1½ lbs.
4136	1 1/8″	2″	3	1¾ lbs.
4138	1 3/16″	2″	3	2 lbs.
4140	1 1/4″	2 1/16″	3	2¼ lbs.
4142	1 5/16″	2 1/8″	3	2¾ lbs.
4144	1 3/8″	2 3/16″	3	3 lbs.
4146	1 7/16″	2 1/4″	3	3¼ lbs.
4148	1 1/2″	2 5/16″	3	3¾ lbs.
4152	1 5/8″	2 7/16″	2	3 lbs.
4154	1 11/16″	2 1/2″	2	3½ lbs.
4156	1 3/4″	2 9/16″	2	3¾ lbs.
4158	1 13/16″	2 5/8″	2	4¼ lbs.
4160	1 7/8″	2 11/16″	2	4¾ lbs.
4164	2″	2 13/16″	2	6¼ lbs.
4168	2 1/8″	2 15/16″	2	6½ lbs.
4170	2 3/16″	3″	2	7¼ lbs.

Square - 8 Point - Sockets

4134S	1 1/16″	2 1/8″	3	3 lbs.
4140S	1 1/4″	2 1/4″	3	4 lbs.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

Every garage, filling station, industrial plant, truck owner and farmer needs a set of ¾″ sq. dr. sockets and fittings for the every day maintenance of equipment.

For ability to do the job, you can't beat Duro-Chrome tools!

Metal boxes are of extra heavy gauge steel finished in durable green hammerloid enamel.

10 PIECE SET

A basic set with socket range from 1 1/16″ to 1¾″.
Complete as shown.

CONTENTS

No.	Description	No.	Description
4134	1 1/16″ 12 Pt. Socket	4148	1 ½″ 12 Pt. Socket
4136	1⅛″ 12 Pt. Socket	4152	1 ⅝″ 12 Pt. Socket
4140	1¼″ 12 Pt. Socket	4156	1 ¾″ 12 Pt. Socket
4144	1⅜″ 12 Pt. Socket	4263	18″ Slide T Handle
4146	1 7/16″ 12 Pt. Socket	4264	8″ Extension

NO. 5904	**10 PIECE SOCKET SET**	STD. PKG. 1. PKG. WT. 21 LBS.
NO. 9924	**BOX, ONLY 19¾″ x 6¼″ x 2⅝″**	STD. PKG. 1. PKG. WT. 6 LBS.

15 AND 14 PIECE SETS

A more complete range of ¾″ sq. dr. sockets. and fittings. Available with or without reversible ratchet. As illustrated.

CONTENTS

No.	Description	No.	Description
4134	1 1/16″ 12 Pt. Socket	4158	1 13/16″ 12 Pt. Socket
4136	1⅛″ 12 Pt. Socket	4160	1 ⅞″ 12 Pt. Socket
4140	1¼″ 12 Pt. Socket	4164	2″ 12 Pt. Socket
4144	1⅜″ 12 Pt. Socket		
4146	1 7/16″ 12 Pt. Socket	4263	18″ Slide T Handle
4148	1½″ 12 Pt. Socket	4264	8″ Extension
4152	1⅝″ 12 Pt. Socket	4265	16″ Extension
4156	1¾″ 12 Pt. Socket	4282	24″ Reversible Ratchet

NO. 5905	**15 PIECE SOCKET SET**	STD. PKG. 1. PKG. WT. 36½ LBS.
NO. 5906	**14 PIECE SOCKET SET** (Less Ratchet)	STD. PKG. 1. PKG. WT. 30½ LBS.
NO. 9924	**BOX, ONLY 19¾″ x 6¼″ x 2⅝″**	STD. PKG. 1. PKG. WT. 6 LBS.

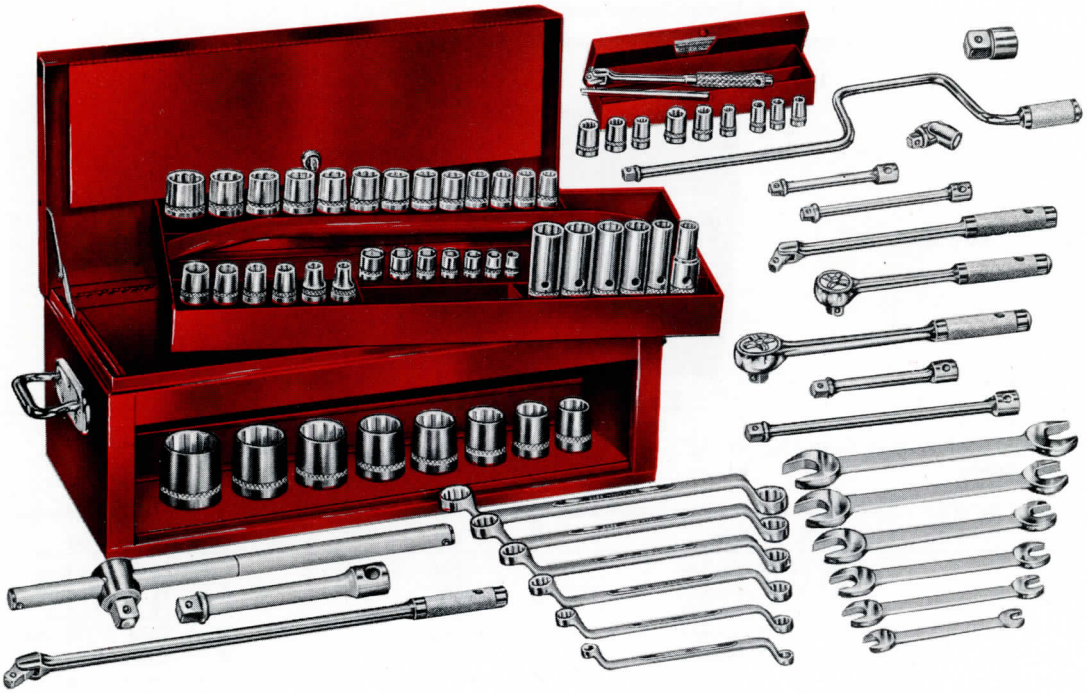
3/4″ SQ. DR. TOOL SETS

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

76 AND 65 PIECE TOOL SETS



For servicing practically everything from ignition systems, carburetors, generators and general automotive and airplane repair work, including heavy duty work on trucks, busses, tractors, farm and road machinery.

Streamlined hinged front box has built in lock and handy lift out tray. Made of substantial gauge steel and finished in attractive red enamel. Complete as shown.
Available also without the 3/4″ sq. dr. sockets and fittings.

CONTENTS

No.	Description
	1/4″ SQUARE DRIVE
4508	1/4″ 6 Pt. Hex. Socket
4509	9/32″ 6 Pt. Hex. Socket
4510	5/16″ 6 Pt. Hex. Socket
4511	11/32″ 6 Pt. Hex. Socket
4512	3/8″ 6 Pt. Hex. Socket
4514	7/16″ 6 Pt. Hex. Socket
4508S	1/4″ 8 Pt. Sq. Socket
4510S	5/16″ 8 Pt. Sq. Socket
4512S	3/8″ 8 Pt. Sq. Socket
4550	6″ Swing Head Handle
4555	4″ Cross Bar
	3/8″ SQUARE DRIVE
4412H	3/8″ 6 Pt. Hex. Socket
4414H	7/16″ 6 Pt. Hex. Socket
4416H	1/2″ 6 Pt. Hex. Socket
4418H	9/16″ 6 Pt. Hex. Socket
4420H	5/8″ 6 Pt. Hex. Socket
4422H	11/16″ 6 Pt. Hex. Socket
4424H	3/4″ 6 Pt. Hex. Socket
4432	4 1/2″ Extension
4433	6″ Extension
4481	10″ Swing Head Handle
4485	16″ Speeder
4497	Universal Joint
4499	Reversible Ratchet

No.	Description
	1/2″ SQUARE DRIVE
1614	7/16″ 12 Pt. Hex. Socket
1616	1/2″ 12 Pt. Hex. Socket
1618	9/16″ 12 Pt. Hex. Socket
1619	19/32″ 12 Pt. Hex. Socket
1620	5/8″ 12 Pt. Hex. Socket
1622	11/16″ 12 Pt. Hex. Socket
1624	3/4″ 12 Pt. Hex. Socket
1625	25/32″ 12 Pt. Hex. Socket
1626	13/16″ 12 Pt. Hex. Socket
1628	7/8″ 12 Pt. Hex. Socket
1630	15/16″ 12 Pt. Hex. Socket
1632	1″ 12 Pt. Hex. Socket
1634	1 1/16″ 12 Pt. Hex. Socket
1636	1 1/8″ 12 Pt. Hex. Socket
1640	1 1/4″ 12 Pt. Hex. Socket
1614S	7/16″ 8 Pt. Sq. Socket
1616S	1/2″ 8 Pt. Sq. Socket
1618S	9/16″ 8 Pt. Sq. Socket
1620S	5/8″ 8 Pt. Sq. Socket
1420	5/8″ 12 Pt. Ex. Deep Socket
1422	11/16″ 12 Pt. Ex. Deep Socket
1426	13/16″ 12 Pt. Ex. Deep Socket
1428	7/8″ 12 Pt. Ex. Deep Socket
1430	15/16″ 12 Pt. Ex. Deep Socket
1432	1″ 12 Pt. Ex. Deep Socket
664D	6″ Extension
665D	10″ Extension
669D	18″ Swing Head Handle
699D	Reversible Ratchet

No.	Description
	3/4″ SQUARE DRIVE
4134	1 1/16″ 12 Pt. Hex. Socket
4136	1 1/8″ 12 Pt. Hex. Socket
4140	1 1/4″ 12 Pt. Hex. Socket
4144	1 3/8″ 12 Pt. Hex. Socket
4146	1 7/16″ 12 Pt. Hex. Socket
4148	1 1/2″ 12 Pt. Hex. Socket
4152	1 5/8″ 12 Pt. Hex. Socket
4156	1 3/4″ 12 Pt. Hex. Socket
4263	18″ Slide T Handle
4264	8″ Extension
483	1/2″ x 3/4″ Adaptor
	OPEN END WRENCHES
1723	3/8″ x 7/16″ End Wrench
1725B	1/2″ x 9/16″ End Wrench
1027	19/32″ x 11/16″ End Wrench
1729	5/8″ x 3/4″ End Wrench
1731B	13/16″ x 7/8″ End Wrench
1033C	15/16″ x 1″ End Wrench
	LONG 45° BOX END WRENCHES
2051	3/8″ x 7/16″ Box Wrench
2052	1/2″ x 9/16″ Box Wrench
2053	5/8″ x 11/16″ Box Wrench
2054	3/4″ x 25/32″ Box Wrench
2055	13/16″ x 7/8″ Box Wrench
2056	15/16″ x 1″ Box Wrench

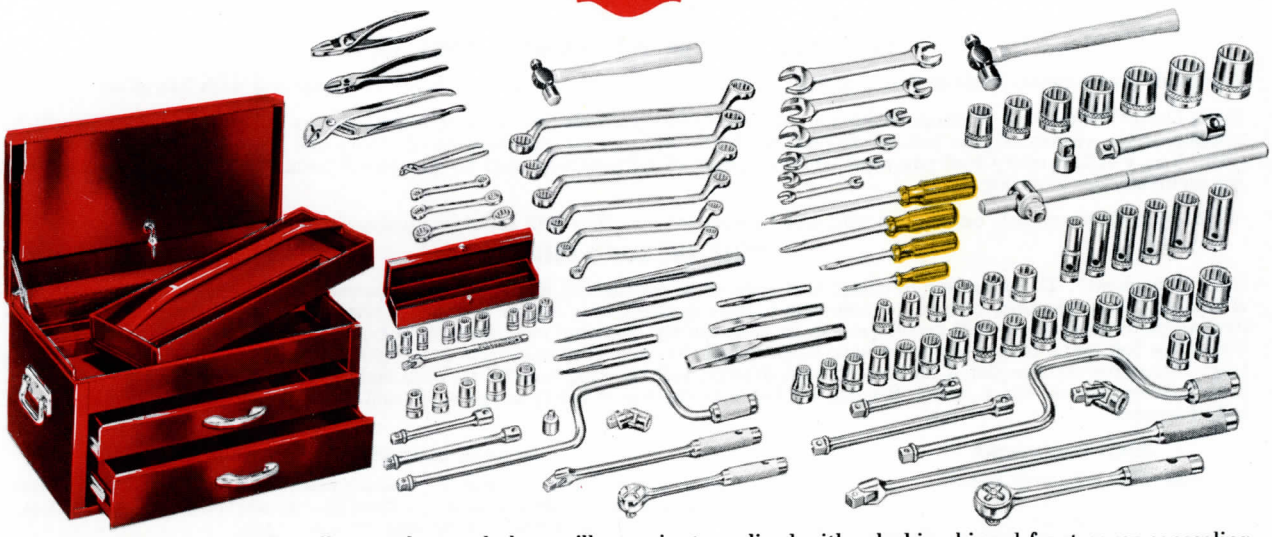
NO. 5907	**76 PIECE TOOL SET**	STD. PKG. 1.	PKG. WT. 60 LBS.
NO. 5908	**65 PIECE TOOL SET (LESS 3/4″ SQUARE DRIVE)**	STD. PKG. 1.	PKG. WT. 46 LBS.
NO. 9925	**BOX, ONLY—23 3/16″ x 10 3/8″ x 9 3/16″**	STD. PKG. 1.	PKG. WT. 25 LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

101 AND 91 PIECE TOOL SETS



The mechanic who wants a really complete tool chest will select this set with its wide range of sockets including 1/4″, 3/8″, 1/2″, and 3/4″ Square Drive. Most popular sizes of Open end, Box end wrenches, pliers and screw drivers as well as hammers, punches and chisels are included. Available also without 3/4″ Sq. Dr. sockets and fittings.
You will be proud to own this fine set of tools. The chest is streamlined with a locking hinged front cover concealing two large drawers, one of which is partitioned for small tools. Drawers operate easily on compound slides. Lift out tote tray is partitioned for sockets.
Made of heavy gauge steel and finished in attractive Chinese Red enamel. Chest can be used well in combination with Deluxe "Cruiser" shown on pages 22 and 23.

CONTENTS

No.	Description
	1/4″ SQUARE DRIVE
4508	1/4″ 6 Pt. Hex. Socket
4509	9/32″ 6 Pt. Hex. Socket
4510	5/16″ 6 Pt. Hex. Socket
4511	11/32″ 6 Pt. Hex. Socket
4512	3/8″ 6 Pt. Hex. Socket
4514	7/16″ 6 Pt. Hex. Socket
4508S	1/4″ 8 Pt. Sq. Socket
4510S	5/16″ 8 Pt. Sq. Socket
4512S	3/8″ 8 Pt. Sq. Socket
4550	6″ Swing Head Handle
4555	4″ Cross Bar
	3/8″ SQUARE DRIVE
4412H	3/8″ 6 Pt. Hex. Socket
4414H	7/16″ 6 Pt. Hex. Socket
4416H	1/2″ 6 Pt. Hex. Socket
4418H	9/16″ 6 Pt. Hex. Socket
4420H	5/8″ 6 Pt. Hex. Socket
4422H	11/16″ 6 Pt. Hex. Socket
4424H	3/4″ 6 Pt. Hex. Socket
4432	4 1/2″ Extension
4433	6″ Extension
4481	10″ Swing Head Handle
4485	16″ Speeder
4497	Universal Joint
4499	Reversible Ratchet
491	3/8″ x 1/4″ Adaptor
	1/2″ SQUARE DRIVE
1614	7/16″ 12 Pt. Hex. Socket
1616	1/2″ 12 Pt. Hex. Socket
1618	9/16″ 12 Pt. Hex. Socket
1619	19/32″ 12 Pt. Hex. Socket
1620	5/8″ 12 Pt. Hex. Socket
1622	11/16″ 12 Pt. Hex. Socket
1624	3/4″ 12 Pt. Hex. Socket
1625	25/32″ 12 Pt. Hex. Socket
1626	13/16″ 12 Pt. Hex. Socket
1628	7/8″ 12 Pt. Hex. Socket

No.	Description
1630	15/16″ 12 Pt. Hex. Socket
1632	1″ 12 Pt. Hex. Socket
1634	1 1/16″ 12 Pt. Hex. Socket
1636	1 1/8″ 12 Pt. Hex. Socket
1640	1 1/4″ 12 Pt. Hex. Socket
1612S	3/8″ 8 Pt. Sq. Socket
1614S	7/16″ 8 Pt. Sq. Socket
1616S	1/2″ 8 Pt. Sq. Socket
1618S	9/16″ 8 Pt. Sq. Socket
1620S	5/8″ 8 Pt. Sq. Socket
1622S	11/16″ 8 Pt. Sq. Socket
1420	5/8″ 12 Pt. Ex. Deep Socket
1422	11/16″ 12 Pt. Ex. Deep Socket
1426	13/16″ 12 Pt. Ex. Deep Socket
1428	7/8″ 12 Pt. Ex. Deep Socket
1430	15/16″ 12 Pt. Ex. Deep Socket
1432	1″ 12 Pt. Ex. Deep Socket
588D	Universal Joint
651DK	18″ Speeder
664D	6″ Extension
665D	10″ Extension
669D	18″ Swing Head Handle
699D	Reversible Ratchet
	3/4″ SQUARE DRIVE
4134	1 1/16″ 12 Pt. Hex. Socket
4136	1 1/8″ 12 Pt. Hex. Socket
4140	1 1/4″ 12 Pt. Hex. Socket
4144	1 3/8″ 12 Pt. Hex. Socket
4146	1 7/16″ 12 Pt. Hex. Socket
4148	1 1/2″ 12 Pt. Hex. Socket
4152	1 5/8″ 12 Pt. Hex. Socket
4263	18″ Slide T Handle
4264	8″ Extension
483	1/2″ x 3/4″ Adaptor
	OPEN END WRENCHES
1723	3/8″ x 7/16″ End Wrench
1725B	1/2″ x 9/16″ End Wrench
1027	19/32″ x 11/16″ End Wrench

No.	Description
1729	5/8″ x 3/4″ End Wrench
1731B	13/16″ x 7/8″ End Wrench
1033C	15/16″ x 1″ End Wrench
	LONG 45° BOX END WRENCHES
2051	3/8″ x 7/16″ Box Wrench
2052	1/2″ x 9/16″ Box Wrench
2053	5/8″ x 11/16″ Box Wrench
2054	3/4″ x 25/32″ Box Wrench
2055	13/16″ x 7/8″ Box Wrench
2056	15/16″ x 1″ Box Wrench
	SHORT 15° BOX WRENCHES
2061	3/8″ x 7/16″ Box Wrench
2062	1/2″ x 9/16″ Box Wrench
2063	5/8″ x 11/16″ Box Wrench
	SCREW DRIVERS
4703	1/8″ x 3″ Amber Handle
4714	3/16″ x 4″ Amber Handle
4726	1/4″ x 6″ Amber Handle
4730-8	5/16″ x 8″ Amber Handle
	PUNCHES AND CHISELS
1900	3/8″ x 5″ Cold Chisel
1902	5/8″ x 6″ Cold Chisel
1904	7/8″ x 8″ Cold Chisel
1950	3/32″ x 4 1/2″ Taper Punch
1951	1/8″ x 6 1/2″ Taper Punch
1952	3/16″ x 7″ Taper Punch
1954	1/4″ x 8″ Taper Punch
1971	3/8″ x 5″ Center Punch
	BALL PEIN HAMMERS
1530-8	1/2 lb. Ball Pein Hammer
1530-16	1 lb. Ball Pein Hammer
	PLIERS
2100	9″ General Utility and Water Pump Plier
2107	7″ Diagonal Cutting Plier
2110	5″ Ignition Plier
2118	7″ Slip Joint Plier

NO. 5909	**101 PIECE TOOL SET**	STD. PKG. 1.	PKG. WT. 90 LBS.
NO. 5910	**91 PIECE TOOL SET (LESS 3/4″ SQUARE DRIVE)**	STD. PKG. 1.	PKG. WT. 79 LBS.
NO. 9908	**CHEST, ONLY—21 3/4″ x 12″ x 12″**	STD. PKG. 1.	PKG. WT. 45 LBS.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

114 PIECE MASTER MECHANIC'S TOOL CRIB

Brings all the necessary tools to you "that pay off" by enabling you to do the job better, faster and with less effort.

Each Duro-Chrome tool is designed for its particular job—perfectly matched and balanced for precision work. You will be amazed at the variety of jobs this set will handle. Each tool was selected because of utility and variety of combinations possible. You will find every tool you need with exception of infrequently used or specialized tools, which can be selected from the complete Duro catalog.

With Duro-Chrome tools on the job you will be inspired and they will promote customer-confidence in your workmanship.

"THE DE LUXE CHEST"

It's a "knockout". Truly modern in design and engineered for highest efficiency. Six drawers, graduated in size for separation of tools for easy selection, operate on compound slides assuring easy action even when heavily loaded. All drawers have positive stops to make them spill-proof, yet can be removed for cleaning, etc.; features not offered in other makes of tool chests. Cover has full piano hinges equipped with stops to hold it open. Top compartment is provided with lift-out partitioned tote tray. Attractive chrome plated handles on each drawer, and carrying handles on both ends of chest. Cover conceals and locks tool drawers securely when closed. Rugged welded construction of heavy gauge steel, and finished in a beautiful Chinese Red baked enamel.

CHEST DIMENSIONS

26¼" long, 12⅛" wide, 14⅝" high

DRAWER DIMENSIONS

Top Row (2) 10¾" deep, 4½" wide, 1⅞" high
Top Row (1) 10¾" deep, 11¾" wide, 1⅞" high
Second Row (1) 10¾" deep, 23" wide, 1⅞" high
Third Row (1) 10¾" deep, 23" wide, 1⅞" high
Fourth Row (1) 10¾" deep, 23" wide, 3" high

DE LUXE "CRUISER" CABINET

The "Cruiser Cabinet" saves steps, organizes your job, puts the right tools at your finger tips for car side work. Super-streamlined all welded construction, rounded corners, chrome plated handles, finished in attractive Chinese Red baked enamel. Large top drawer operates easily on strong compound slides. Two compartments enclosed by vertically piano-hinged doors provide storage for large and bulky tools or equipment. Two staples on drawer and doors for padlocking, if desired. A convenient handle on one end allows easy movement. Two stationary casters and two ball bearing swivel casters have wheels of special rubber-like compound. One pair of casters is equipped with wheel brakes. Top of "Cruiser" is flat, with flanged edge on ends and back. Keeps tools from rolling off. Detachable 16 hole valve rack or tool holder furnished.

Overall height with casters—32¼" Width—27½" Depth—18"
LARGE TOP DRAWER—Inside Dimensions: 21" wide, 16" deep, 3¾" high

Part No.	Description
	¼" SQUARE DRIVE
4506	3/16" Hex. 6 Pt. Socket
4507	7/32" Hex. 6 Pt. Socket
4508	¼" Hex. 6 Pt. Socket
4509	9/32" Hex. 6 Pt. Socket
4510	5/16" Hex. 6 Pt. Socket
4511	11/32" Hex. 6 Pt. Socket
4512	⅜" Hex. 6 Pt. Socket
4514	7/16" Hex. 6 Pt. Socket
4506S	3/16" Sq. 4 Pt. Socket
4507S	7/32" Sq. 4 Pt. Socket
4508S	¼" Sq. 8 Pt. Socket
4510S	5/16" Sq. 8 Pt. Socket
4512S	⅜" Sq. 8 Pt. Socket
4566	6" Swing Head Handle
4532	3" Extension
491	¼" Male, ⅜" Fem. Adap'r
	⅜" SQUARE DRIVE
4412	⅜" Hex. 12 Pt. Socket
4414	7/16" Hex. 12 Pt. Socket
4416	½" Hex. 12 Pt. Socket
4418	9/16" Hex. 12 Pt. Socket
4420	⅝" Hex. 12 Pt. Socket
4422	11/16" Hex. 12 Pt. Socket
4424	¾" Hex. 12 Pt. Socket
4412S	⅜" Sq. 8 Pt. Socket
4414S	7/16" Sq. 8 Pt. Socket
4416S	½" Sq. 8 Pt. Socket
4432	4½" Extension
4434	9" Extension
4481	9½" Swing Head Handle
4485	16" Speeder
4497	Universal Joint Adaptor
4499	Reversible Ratchet

Part No.	Description
	½" SQUARE DRIVE
1614	7/16" Hex. 12 Pt. Socket
1616	½" Hex. 12 Pt. Socket
1618	9/16" Hex. 12 Pt. Socket
1619	19/32" Hex. 12 Pt. Socket
1620	⅝" Hex. 12 Pt. Socket
1622	11/16" Hex. 12 Pt. Socket
1624	¾" Hex. 12 Pt. Socket
1625	25/32" Hex. 12 Pt. Socket
1626	13/16" Hex. 12 Pt. Socket
1628	⅞" Hex. 12 Pt. Socket
1630	15/16" Hex. 12 Pt. Socket
1632	1" Hex. 12 Pt. Socket
1634	1 1/16" Hex. 12 Pt. Socket
1636	1⅛" Hex. 12 Pt. Socket
1640	1¼" Hex. 12 Pt. Socket
1420	⅝" 12 Pt. Deep Wall Skt.
1422	11/16" 12 Pt. Deep Wall Skt.
1426	13/16" 12 Pt. Deep Wall Skt.
1428	⅞" 12 Pt. Deep Wall Skt.
588D	Universal Joint Adaptor
664D	6" Extension
665D	10" Extension
651DK	18" Speeder
667D	15½" Swing Head Handle
699D	Reversible Ratchet
	¾" SQUARE DRIVE
4134	1 1/16" Hex. 12 Pt. Socket
4136	1⅛" Hex. 12 Pt. Socket
4140	1¼" Hex. 12 Pt. Socket
4144	1⅜" Hex. 12 Pt. Socket
4146	1 7/16" Hex. 12 Pt. Socket
4148	1½" Hex. 12 Pt. Socket
4152	1⅝" Hex. 12 Pt. Socket
4264	8" Extension

Part No.	Description
4265	16" Extension
4263	Slide T Handle
483	½" Female x ¾" Male Adap'r
	OPEN END WRENCHES
1721	5/16" x ⅜" Open End Wrench
1725	7/16" x ½" Open End Wrench
1727	9/16" x ⅝" Open End Wrench
1029C	11/16" x 13/16" Open End Wrench
1731A	¾" x ⅞" Open End Wrench
1033C	15/16" x 1" Open End Wrench
	45° LONG BOX END WRENCHES
2051	⅜" x 7/16" Long Box Wrench
2052	½" x 9/16" Long Box Wrench
2053	⅝" x 11/16" Long Box Wrench
2054	¾" x 25/32" Long Box Wrench
2055	13/16" x ⅞" Long Box Wrench
2056	15/16" x 1" Long Box Wrench
	SCREW DRIVERS WITH AMBER HANDLES
182	⅛" x ⅞" Pocket Type
4721	¼" x 1¼" Square Blade
4703	⅛" x 3" Square Blade
4714	3/16" x 4" Square Blade
4726	¼" x 6" Square Blade
4730-8	5/16" x 8" Square Blade
	15° SHORT BOX END WRENCHES
2061	⅜" x 7/16" Short Box Wrench
2062	½" x 9/16" Short Box Wrench
2063	⅝" x 11/16" Short Box Wrench

Part No.	Description
	PLIERS
2100	General Utility & Water Pump Plier
2110	Ignition Pliers
2107	7" Heavy Duty Cutting Plier
2118	7" Slip Joint Plier
	PUNCHES AND CHISELS
1901	½" Cold Chisel
1903	¾" Cold Chisel
1905	1" Cold Chisel
1910	7/32" Cape Chisel
1941	⅛" Pin Punch
1944	3/16" Pin Punch
1951	⅛" Long Taper Punch
1952	3/16" Long Taper Punch
1954	¼" Long Taper Punch
1971	7/32" Center Punch
1981	1" Jimmy Pry Bar
	BALL PEIN HAMMERS
1530-8	½ lb. Ball Pein Hammer
1530-16	1 lb. Ball Pein Hammer
217	General Purpose Feeler Gauge
61	13/64" x 15/64" Ignition Wr.
62	15/64" x 13/64" Ignition Wr.
63	7/32" x ¼" Ignition Wr.
64	¼" x 7/32" Ignition Wr.
65	9/32" x 5/16" Ignition Wr.
66	5/16" x 9/32" Ignition Wr.
67	11/32" x ⅜" Ignition Wr.

NO. 5900 114 PIECE TOOL SET AS ILLUSTRATED, COMPLETE WITH DE LUXE CHEST AND DE LUXE "CRUISER"
STD. PKG. 1. PKG. WT. 213 LBS.

NO. 5901 103 PIECE TOOL SET (LESS ¾" SQUARE DRIVE SOCKETS AND FITTINGS) WITH DE LUXE CHEST AND "CRUISER"
STD. PKG. 1. PKG. WT. 200 LBS.

NO. 5902 114 PIECE TOOL SET ONLY IN FIBRE BOX
STD. PKG. 1. PKG. WT. 46 LBS.

NO. 5903 103 PIECE TOOL SET (LESS ¾" SQUARE DRIVE SOCKETS AND FITTINGS) IN FIBRE BOX
STD. PKG. 1. PKG. WT. 32 LBS.

NO. 9906 DE LUXE SIX DRAWER TOOL CHEST ONLY
STD. PKG. 1. PKG. WT. 75 LBS.

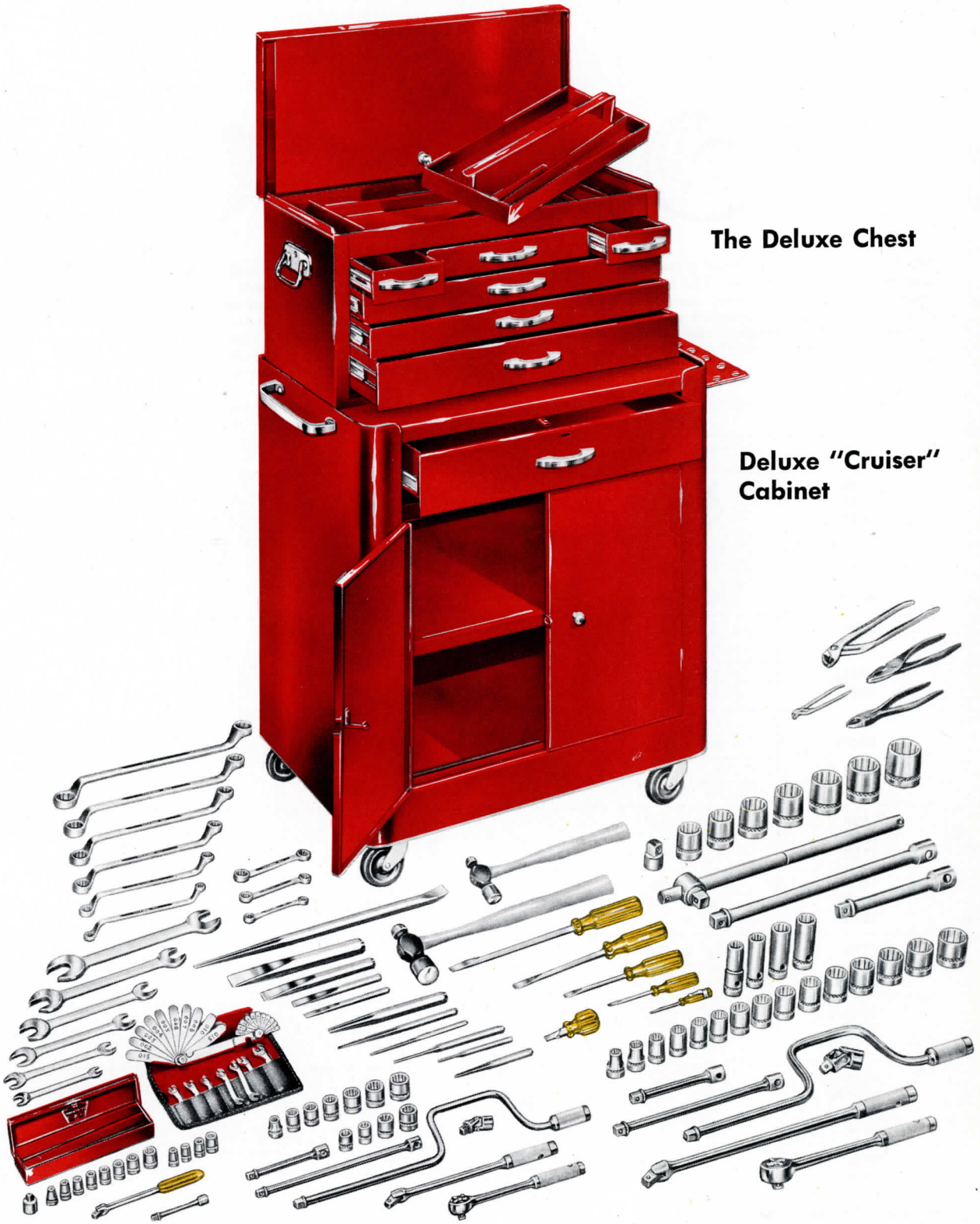
NO. 9907 DE LUXE "CRUISER" ONLY
STD. PKG. 1. PKG. WT. 92 LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

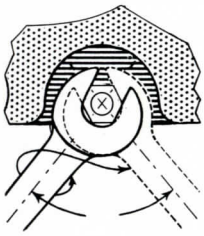
114 PIECE MASTER MECHANIC'S TOOL CRIB



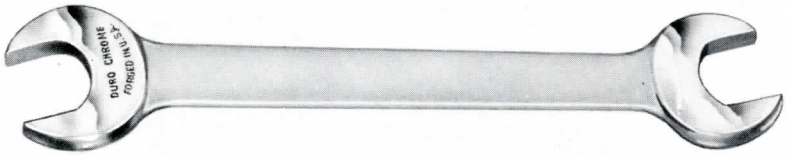
TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL



THIN HEAD PATTERN AUTOMOTIVE TYPE



Mechanics like the balanced streamlined design of Duro Chrome open end wrenches. The heads are scientifically designed for strength to resist spreading and for maximum clearance. Accurately broached openings fit nuts perfectly and seat securely for safety and speed. Openings are set at 15° angle to handle, permitting rotation of hexagon nuts with a swing of only 30°.

Handles are smooth and comfortable with satin finish for sure grip in soiled hands. Lengths are accepted standards—not shortened for economy nor are they excessively long—but just right for the size of nut being turned.
Forged from chrome alloy steel carefully heat treated, with mirror polished heads and satin finished handles. Chrome plated for lasting beauty.

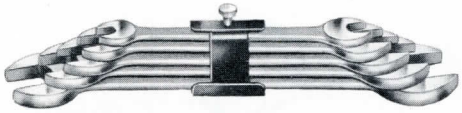
No.	Size	Length	Head Thickness	Std. Pkg.	Pkg. Wt.
1020	1/4" x 5/16"	3 7/8"	5/32"	6	1/4 lb.
1720 **1721** **1021**	5/16" x 11/32" 5/16" x 3/8" 5/16" x 13/32"	4 13/16"	3/16"	6	1/2 lb.
1021 A **1723**	11/32" x 13/32" 3/8" x 7/16"	5"	3/16"	6	1/2 lb.
1023	13/32" x 1/2"	5 5/8"	13/64"	6	1 lb.
1725 **1725 A**	7/16" x 1/2" 7/16" x 9/16"	5 15/16"	15/64"	6	1 lb.
1725B **1025**	1/2" x 9/16" 1/2" x 19/32"	6 1/4"	15/64"	6	1 lb.
1727 **1027C**	9/16" x 5/8" 9/16" x 11/16"	6 3/4"	1/4"	6	1 1/2 lbs.
1027 **1027 A**	19/32" x 11/16" 5/8" x 11/16"	7"	1/4"	6	1 1/2 lbs.
1728 **1028** **1729**	9/16" x 3/4" 19/32" x 25/32" 5/8" x 3/4"	8"	19/64"	6	2 lbs.
1029 **1029C** **1028X**	11/16" x 25/32" 11/16" x 13/16" 25/32" x 13/16"	8 1/2"	19/64"	6	2 1/4 lbs.
1731 **1731 A** **1731B**	3/4" x 13/16" 3/4" x 7/8" 13/16" x 7/8"	9 3/16"	11/32"	6	3 1/2 lbs.
1033 A **1733** **1033C**	7/8" x 15/16" 7/8" x 1" 15/16" x 1"	10 5/8"	25/64"	6	5 1/4 lbs.
1034 **1034 A** **1734** **1035**	7/8" x 1 1/16" 15/16" x 1 1/16" 7/8" x 1 1/8" 31/32" x 1 1/16"	10 5/8"	7/16"	6	5 1/4 lbs.
1735 **1037**	1" x 1 1/8" 1 1/16" x 1 1/4"	12 1/4"	29/64"	6	8 1/4 lbs.

See pages 70 and 71 for additional open end wrenches.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

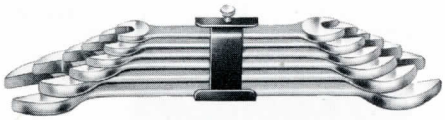


A convenient way to hold end wrenches is in a metal clip. This set offers 10 openings with 5 wrenches. No duplication of sizes. Range 5/16″ to 7/8″.

CONTENTS

No.	Size	No.	Size
1721	5/16″ x 3/8″	1029C	11/16″ x 13/16″
1725	7/16″ x 1/2″	1731A	3/4″ x 7/8″
1727	9/16″ x 5/8″		

NO.17001 5 PIECE OPEN END WRENCH SET
STD. PKG. 1. PKG. WT. 1¾ LBS.



A larger range of sizes is the feature of this popular set. Here are 12 sizes on 6 wrenches with no duplications. Range 5/16″ to 1″.

CONTENTS

No.	Size	No.	Size
1721	5/16″ x 3/8″	1029C	11/16″ x 13/16″
1725	7/16″ x 1/2″	1731A	3/4″ x 7/8″
1727	9/16″ x 5/8″	1033C	15/16″ x 1″

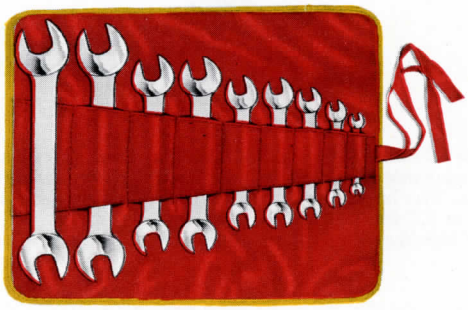
NO. 17002 6 PIECE OPEN END WRENCH SET
STD. PKG. 1. PKG. WT. 2½ LBS.

Featured in a durable, rich looking plastic roll are 6 wrenches having 12 openings, range 5/16″ to 1″ with no duplication of sizes. Each wrench in an individual pocket.

CONTENTS

No.	Size	No.	Size
1721	5/16″ x 3/8″	1029C	11/16″ x 13/16″
1725	7/16″ x 1/2″	1731A	3/4″ x 7/8″
1727	9/16″ x 5/8″	1033C	15/16″ x 1″

NO. 17003 6 PIECE OPEN END WRENCH SET
STD. PKG. 1. PKG. WT. 2½ LBS.



A full range of openings 1/4″ to 1¼″ in a colorful, strong plastic roll. Each of the 9 wrenches is in an individual pocket. No duplication of sizes. Every mechanic requires this set.

CONTENTS

No.	Size	No.	Size
1020	1/4″ x 5/16″	1029C	11/16″ x 13/16″
1723	3/8″ x 7/16″	1033A	7/8″ x 15/16″
1725B	1/2″ x 9/16″	1735	1″ x 1⅛″
1028	19/32″ x 25/32″	1037	1 1/16″ x 1¼″
1729	5/8″ x 3/4″		

NO. 17004 9 PIECE OPEN END WRENCH SET
STD. PKG. 1. PKG. WT. 5 LBS.

This 14 piece wrench set covers the complete range of sizes 1/4″ to 1¼″ duplicating only the most popular sizes. Desirable because it is often necessary to hold one nut while turning another of the same size. Plastic roll is well made, with individual pockets.

CONTENTS

No.	Size	No.	Size
1020	1/4″ x 5/16″	1729	5/8″ x 3/4″
1021A	11/32″ x 13/32″	1029C	11/16″ x 13/16″
1723	3/8″ x 7/16″	1731A	3/4″ x 7/8″
1725	7/16″ x 1/2″	1033A	7/8″ x 15/16″
1725B	1/2″ x 9/16″	1033C	15/16″ x 1″
1727	9/16″ x 5/8″	1735	1″ x 1⅛″
1028	19/32″ x 25/32″	1037	1 1/16″ x 1¼″

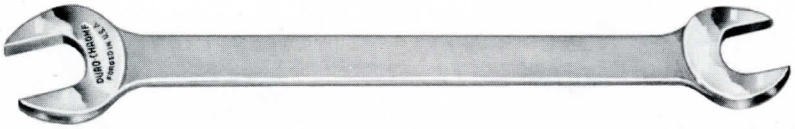
NO. 17005 14 PIECE OPEN END WRENCH SET
STD. PKG. 1. PKG. WT. 7 LBS.

TOOLS OF PROGRESS

DURO-CHROME

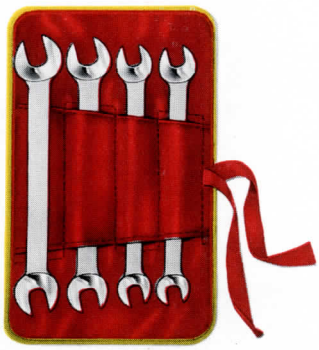
CHROME ALLOY STEEL

Tappet Wrenches



Duro-Chrome tappet wrenches with their extra thin heads are appreciated more by mechanics every time they use them. The heads are strong and accurately sized with openings at 15° for better utility.
The handles are long to clear manifolds and all edges are rounded for comfort. Satin chrome finish on handles assures grip in soiled hands.
Forged from chrome alloy steel and heat treated for maximum strength. Wrenches are brightly chrome plated with mirror polished heads.

No.	Size	Length	Head Thickness	Std. Pkg.	Pkg. Wt.
D1	7/16" x 17/32"	7 1/4"	5/32"	6	3/4 lb.
D1A	7/16" x 1/2"	7 1/4"	5/32"	6	3/4 lb.
D2	1/2" x 9/16"	7 7/8"	11/64"	6	1 lb.
D3	5/8" x 11/16"	8 3/8"	3/16"	6	1 1/2 lbs.
D4	3/4" x 7/8"	8 3/4"	7/32"	6	1 3/4 lbs.
D4A	3/4" x 13/16"	8 3/4"	7/32"	6	1 3/4 lbs.



A 4 piece set that will service practically all makes of cars. In attractive and durable plastic roll.

CONTENTS

2 No. D2 Size 1/2" x 9/16"
2 No. D3 Size 5/8" x 11/16"

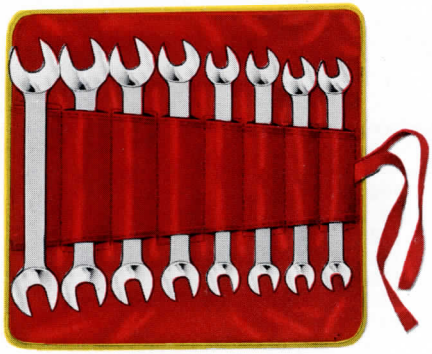
NO. 17014 **4 PIECE TAPPET WRENCH SET**
STD. PKG. 1. PKG. WT. 1 LB.

A more complete range of sizes is offered in this 6 piece set in colorful plastic roll.

CONTENTS

2 No. D1A Size 7/16" x 1/2"
2 No. D2 Size 1/2" x 9/16"
2 No. D3 Size 5/8" x 11/16"

NO. 17016 **6 PIECE TAPPET WRENCH SET**
STD. PKG. 1. PKG. WT. 1 1/4 LBS



For mechanics who want to be able to service all makes of cars, we recommend this 8 piece set which covers sizes from 7/16" to 7/8". Each wrench has separate pocket in eye catching plastic roll.

CONTENTS

2 No. D1A Size 7/16" x 1/2"
2 No. D2 Size 1/2" x 9/16"
2 No. D3 Size 5/8" x 11/16"
2 No. D4 Size 3/4" x 7/8"

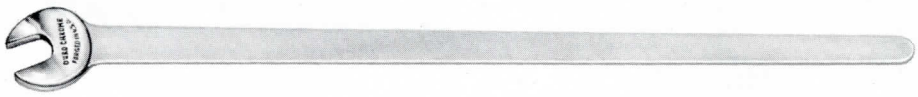
NO. 17018 **8 PIECE TAPPET WRENCH SET**
STD. PKG. 1. PKG WT. 2 LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

Extra Long Tappet Wrenches

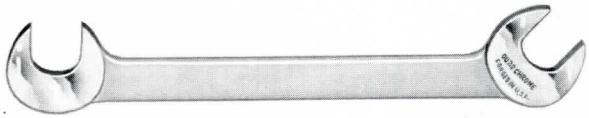


Extra long, single end tappet wrenches are a necessity for tappets on late model cars reached from under the fender. Thin strong heads with accurate openings at 15° angle.

Heads mirror polished with satin finished handles for firm comfortable grip.
Forged from chrome alloy steel and heavily chrome plated.

No.	Size	Length	Head Thickness	Std. Pkg.	Pkg. Wt.
LDT14	7/16"	12½"	13/64"	6	1½ lbs.
LDT16	½"	12½"	13/64"	6	1½ lbs.
LDT18	9/16"	12½"	13/64"	6	1½ lbs.

Obstruction End Wrenches



These wrenches will turn a nut where other tools cannot be used. Particularly handy around manifolds and in other close quarters.
The feature of one head at 45° angle and the other at 90° makes them unusually handy. Same size opening on both ends.
Forged chrome alloy steel with satin finished handles and mirror polished heads. Brightly chrome plated.

No.	Size	Length	Head Thickness	Std. Pkg.	Pkg. Wt.
1821	3/8" x 3/8"	5½"	11/64"	6	½ lb.
1823	7/16" x 7/16"	5½"	11/64"	6	½ lb.
1825	½" x ½"	6½"	13/64"	6	1 lb.
1827	9/16" x 9/16"	6½"	13/64"	6	1 lb.
1829	5/8" x 5/8"	7½"	15/64"	6	1¼ lbs.
1830	11/16" x 11/16"	7½"	¼"	6	1¼ lbs.
1831	¾" x ¾"	7½"	¼"	6	1¾ lbs.

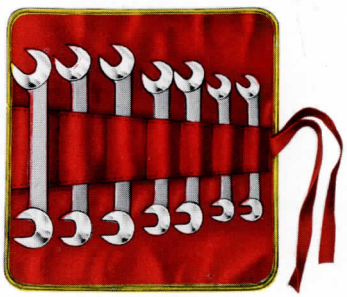
Obstruction Wrench Set

The seven Obstruction Wrenches described above are contained in this set. Every mechanic has need for one. The set will pay for itself in the time saved on one job.
Attractive strong plastic roll with separate pocket for each wrench.

CONTENTS

1 No. 1821 Size 3/8"
1 No. 1823 Size 7/16"
1 No. 1825 Size ½"
1 No. 1827 Size 9/16"
1 No. 1829 Size 5/8"
1 No. 1830 Size 11/16"
1 No. 1831 Size ¾"

NO. 18007 7 PIECE OBSTRUCTION WRENCH SET
STD. PKG. 1. PKG. WT. 1½ LBS.

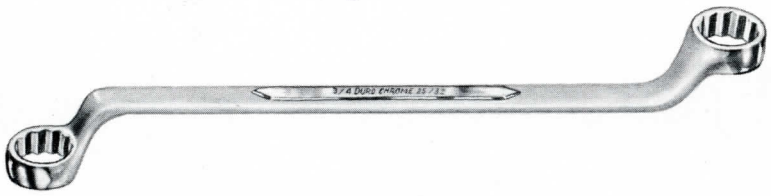


TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

Long 45° Pattern



Duro-Chrome box wrenches have design features not found in other wrenches. Notice the angle at which the handle joins the heads. The thin steep wall enables use on recessed nuts and in obstructed places where only sockets could be used before.

Forged from chrome alloy steel and heat treated for extra strength. Openings are accurately broached with bevel for easy engagement with bolt or nut. Handle length is proportioned to size of openings.

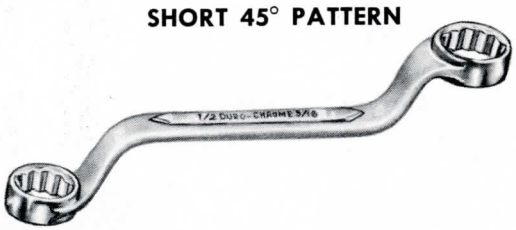
Openings are 12 point, or double hexagon except for wrench No. 2051 which is single hexagon for better engagement of these small sizes.

Wrenches have comfortable balance and handle is satin finished for firm grip. Heads and panels are mirror polished. Brightly chrome plated.

No.	Size	Length	Std. Pkg.	Pkg. Wt.
2051	3/8" x 7/16"	7 3/4"	6	1 lb.
2051 A	7/16" x 1/2"	8 1/4"	6	1 1/2 lbs.
2052	1/2" x 9/16"	8 7/8"	6	1 1/2 lbs.
2052 A	9/16" x 5/8"	9 1/2"	6	1 1/2 lbs.
2053	5/8" x 11/16"	10"	6	2 1/4 lbs.
2053 A	5/8" x 3/4"	10"	6	2 1/4 lbs.
2053B	11/16" x 13/16"	10"	6	2 1/4 lbs.
2054	3/4" x 25/32"	11 1/4"	6	3 lbs.
2054 A	3/4" x 7/8"	11 1/2"	6	3 1/4 lbs.
2055	13/16" x 7/8"	12 5/8"	6	4 lbs.
2056	15/16" x 1"	14 3/8"	6	5 3/4 lbs.
	EXTRA LONG PATTERN			
2057	1 1/16" x 1 1/8"	16 3/8"	3	3 1/2 lbs.
2058 A	1 3/16" x 1 1/4"	18"	3	3 1/2 lbs.
2058B	1 1/8" x 1 1/4"	18"	3	5 1/2 lbs.
2058D	1 1/4" x 1 5/16"	18"	3	5 1/2 lbs.
2059 A	1 5/16" x 1 3/8"	20 1/8"	3	6 1/2 lbs.
2059B	1 7/16" x 1 1/2"	22 3/4"	3	9 lbs.

NO. 2050-6F SET OF SIX BOX WRENCHES, openings 3/8" to 1" inclusive, Nos. 2051, 2052, 2053, 2054, 2055 and 2056, in a substantial carton. STD. PKG. 1. PKG. WT. 3 1/2 LBS.

SHORT 45° PATTERN



For those places where shorter handles are necessary, this pattern gives the desired clearance. Thin walled, forged from chrome alloy steel and heat treated, they will turn the tightest nuts. Perfect fit broaching beveled for easy positioning on nut.

Openings are 12 point, or double hexagon except for wrench No. 2041 which is single hexagon for better engagement of these small sizes.

Handles have satin finish contrasting with polished panels and heads. Fully chrome plated.

No.	Size	Length	Std. Pkg.	Pkg. Wt.
2041	3/8" x 7/16"	4 13/16"	6	1/2 lb.
2042	1/2" x 9/16"	5 5/8"	6	1 lb.
2043	5/8" x 11/16"	6 3/8"	6	1 1/2 lbs.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

LONG 15° PATTERN

Long 15° pattern wrenches have advantage of greater knuckle clearance. Handle designed at the top of each head so that wrench has full engagement on recessed nuts or capscrews. Strong, thin walls enable use where only a socket could fit before. Beveled, accurately broached openings insure easy, positive positioning.
Forged chrome alloy steel scientifically heat treated provides the strength for tough nut turning.

Openings are 12 point, or double hexagon with the exception of wrench No. 2011, which is single hexagon for better engagement of these smaller sizes.

Mirror polished panels and heads with contrasting satin finish handles. Brightly chrome plated.

No.	Size	Length	Std. Pkg.	Pkg. Wt.
2011	3/8" x 7/16"	6 7/8"	6	3/4 lb.
2011A	7/16" x 1/2"	7 5/8"	6	1 lb.
2012	1/2" x 9/16"	8 11/16"	6	1 1/4 lbs.
2013	9/16" x 5/8"	9 5/8"	6	1 3/4 lbs.
2013A	5/8" x 11/16"	10 5/8"	6	2 lbs.
2013B	5/8" x 3/4"	10 5/8"	6	2 lbs.
2014A	11/16" x 3/4"	12"	6	3 1/4 lbs.
2014	11/16" x 25/32"	12"	6	3 1/4 lbs.
2014B	11/16" x 13/16"	12"	6	3 1/4 lbs.
2015	3/4" x 7/8"	13 1/4"	6	3 1/2 lbs.
2015A	13/16" x 7/8"	13 1/4"	6	3 1/2 lbs.
2016	15/16" x 1"	16"	6	5 1/2 lbs.
	EXTRA LONG PATTERN			
2017	1 1/16" x 1 1/8"	17 3/4"	3	4 lbs.
2017A	1 1/16" x 1 1/4"	17 3/4"	3	4 lbs.
2018A	1 3/16" x 1 1/4"	18 1/4"	3	4 3/4 lbs.
2018B	1 1/8" x 1 1/4"	18 1/4"	3	4 3/4 lbs.
2018D	1 1/4" x 1 5/16"	18 1/4"	3	4 3/4 lbs.
2018E	1 1/4" x 1 3/8"	18 1/4"	3	4 3/4 lbs.
2019A	1 5/16" x 1 3/8"	22 3/8"	3	6 3/4 lbs.
2019B	1 7/16" x 1 1/2"	24"	3	8 lbs.

NO. 2010-5F **SET OF 5 BOX WRENCHES,** openings 3/8" to 7/8" inclusive, Nos. 2011, 2012, 2013, 2014 and 2015 in substantial carton. STD. PKG. 1. PKG. WT. 2 LBS.

SHORT 15° PATTERN

Every mechanic needs a set of short pattern box wrenches for those cramped spots around distributors and carburetors. Forged chrome alloy steel with strong, thin walls. Broaching is beveled for easy positioning on nut.
Handles have satin finish with highly polished heads and panels. Heavily chrome plated.

No.	Size	Length	Std. Pkg.	Pkg. Wt.
2061	3/8" x 7/16"	4 1/8"	6	1/2 lb.
2062	1/2" x 9/16"	4 3/4"	6	1/2 lb.
2063	5/8" x 11/16"	5 1/2"	6	1 lb.

Midget Ignition Box Wrenches

Midgets in size, but just the tools for ignition, instrument panel and other work on small size nuts and bolts.
Forged from chrome alloy steel, heads are small and set at 15° angle to handle. Openings are 12 point. Length 3 7/8".
Polished heads and panels and brightly chrome plated.

NO. 2021 **MIDGET BOX WRENCH 1/4" x 5/16"**
STD. PKG. 6. PKG. WT. 1/4 LB.

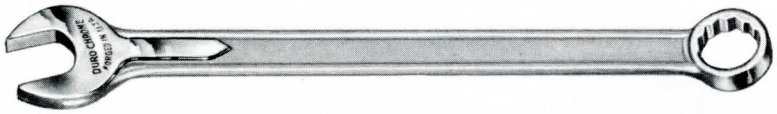
NO. 2022 **MIDGET BOX WRENCH 9/32" x 11/32"**
STD. PKG. 3. PKG. WT. 1/4 LB.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

Combination Wrenches



These wrenches combine best features of open end and box end wrenches. Both ends of each wrench have identical size openings. The box end is offset 10° for clearance and the open end is at 15° angle for positive nut turning in restricted space. Box opening fits hexagon nuts or bolts; open end will fit both hexagons and squares.

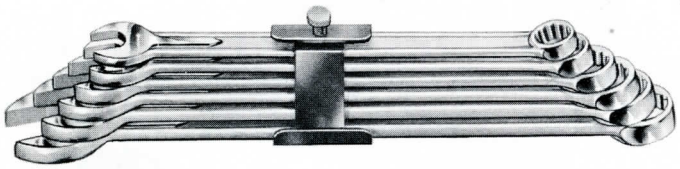
Each wrench is brightly chrome plated with polished heads and satin finished handles. Forged from chrome alloy steel.

Box end of No. 2031 is 6 point for better fit on this small size. All other wrenches are 12 point.

No.	Size	Length	Open Head Thickness	Std. Pkg.	Pkg. Wt.
2031	3/8"	7"	13/64"	6	3/4 lb.
2032	7/16"	7 1/4"	7/32"	6	3/4 lb.
2033	1/2"	7 5/8"	15/64"	6	1 lb.
2034	9/16"	8"	17/64"	6	1 1/4 lbs.
2035	5/8"	8 1/2"	9/32"	6	1 1/2 lbs.
2036	11/16"	8 3/4"	5/16"	6	2 lbs.
2037	3/4"	10 1/4"	5/16"	6	2 1/2 lbs.
2037A	25/32"	10 1/4"	5/16"	6	2 1/2 lbs.
2037B	13/16"	10 1/4"	5/16"	6	2 1/2 lbs.
2038	7/8"	11 1/8"	23/64"	6	3 1/2 lbs.
2039	15/16"	12 1/4"	23/64"	6	4 lbs.

NO. 2030-6F SET OF 6 WRENCHES, openings 3/8" to 11/16" inclusive, Nos. 2031, 2032, 2033, 2034, 2035 and 2036 in a substantial carton. STD. PKG. 1. PKG. WT. 2 LBS.

Combination Wrench Sets



The wrenches described above have been selected and assembled into sets offering popular ranges of openings. Every mechanic will want one of these sets in a handy metal clip.

This 5 piece set has range from 3/8" to 5/8" inclusive.

CONTENTS

1 No. 2031 Size 3/8"
1 No. 2032 Size 7/16"
1 No. 2033 Size 1/2"
1 No. 2034 Size 9/16"
1 No. 2035 Size 5/8"

NO. 2030-5K 5 PC. COMBINATION WRENCH SET
STD. PKG. 1. PKG. WT. 1 LB.

Set contains 6 sizes from 7/16" to 3/4".

CONTENTS

1 No. 2032 Size 7/16"
1 No. 2033 Size 1/2"
1 No. 2034 Size 9/16"
1 No. 2035 Size 5/8"
1 No. 2036 Size 11/16"
1 No. 2037 Size 3/4"

NO. 2030-6K 6 PC. COMBINATION WRENCH SET
STD. PKG. 1. PKG. WT. 1 3/4 LBS.

The range of this 8 piece set is from 7/16" to 7/8".

CONTENTS

1 No. 2032 Size 7/16"
1 No. 2033 Size 1/2"
1 No. 2034 Size 9/16"
1 No. 2035 Size 5/8"
1 No. 2036 Size 11/16"
1 No. 2037 Size 3/4"
1 No. 2037B Size 13/16"
1 No. 2038 Size 7/8"

NO. 2030-8K 8 PC. COMBINATION WRENCH SET
STD. PKG. 1. PKG. WT. 3 LBS.

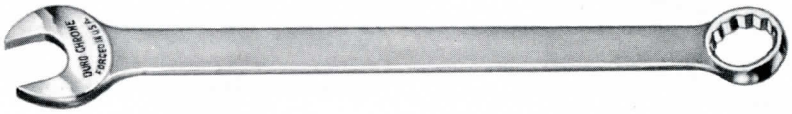
See pages Nos. 74 and 75 for additional Combination Wrenches.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

Thin Pattern Combination End Wrenches

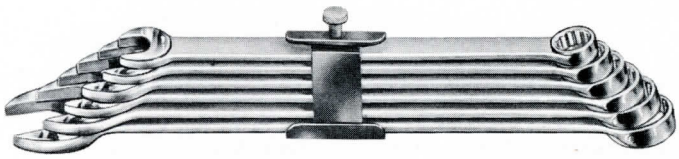


The extra thin heads of this pattern make the wrenches most desirable for close quarter work.
Both ends of each wrench are of identical size. The box end fits hexagon nuts and bolts and the open end fits both hexagons and squares. The box end is offset at an angle of 10° for clearance and the open end is at an angle of 15° for positive nut turning in restricted space.
Forged from chrome alloy steel, each wrench has mirror polished heads with satin finish handle, all brightly chrome plated.
All box end openings are 12 point except wrench No. 2231 which is 6 point for better fit on this small size.

No.	Size	Length	Open Head Thickness	Std. Pkg.	Pkg. Wt.
2231	3/8"	7"	3/16"	6	1/2 lb.
2232	7/16"	7 1/4"	13/64"	6	3/4 lb.
2233	1/2"	7 5/8"	7/32"	6	1 lb.
2234	9/16"	8"	15/64"	6	1 1/4 lbs.
2235	5/8"	8 1/2"	17/64"	6	1 1/2 lbs.
2236	11/16"	8 3/4"	9/32"	6	1 1/2 lbs.
2237	3/4"	10 1/4"	19/64"	6	2 lbs.
2237B	13/16"	10 1/4"	19/64"	6	2 lbs.
2238	7/8"	11 1/8"	11/32"	6	2 1/2 lbs.
2239	15/16"	12 1/4"	11/32"	6	3 1/4 lbs.

NO. 2230-6F SET OF 6 WRENCHES, openings 3/8" to 11/16" inclusive, Nos. 2231, 2232, 2233, 2234, 2235 and 2236 in a substantial carton. STD. PKG. 1. PKG. WT. 2 LBS.

Combination Wrench Sets



A handy way to keep combination wrenches orderly in your tool box is in one of these metal clips. The sets below were assembled for their utility. Select the one that best fits your needs.

A 5 piece set with sizes from 3/8" to 5/8"

CONTENTS

1 No. 2231 Size 3/8"
1 No. 2232 Size 7/16"
1 No. 2233 Size 1/2"
1 No. 2234 Size 9/16"
1 No. 2235 Size 5/8"

NO. 2230-5K 5 PC. COMBINATION WRENCH SET
STD. PKG. 1. PKG. WT. 1 LB.

Six popular sizes 7/16" to 3/4" are offered in this set.

CONTENTS

1 No. 2232 Size 7/16"
1 No. 2233 Size 1/2"
1 No. 2234 Size 9/16"
1 No. 2235 Size 5/8"
1 No. 2236 Size 11/16"
1 No. 2237 Size 3/4"

NO. 2230-6K 6 PC. COMBINATION WRENCH SET
STD. PKG. 1. PKG. WT. 1 1/2 LBS.

This 10 piece set has a complete range of sizes 3/8" to 15/16".

CONTENTS

1 No. 2231 Size 3/8"
1 No. 2232 Size 7/16"
1 No. 2233 Size 1/2"
1 No. 2234 Size 9/16"
1 No. 2235 Size 5/8"
1 No. 2236 Size 11/16"
1 No. 2237 Size 3/4"
1 No. 2237B Size 13/16"
1 No. 2238 Size 7/8"
1 No. 2239 Size 15/16"

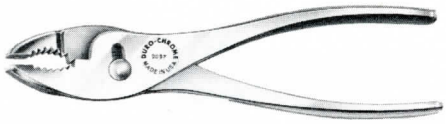
NO. 2230-10K 10 PC. COMBINATION WRENCH SET
STD. PKG. 1. PKG. WT. 3 LBS.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

Utility Pliers



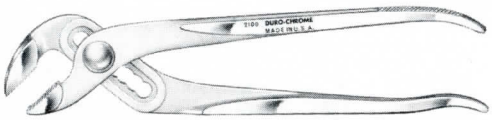
NO. 2096 **6″ UTILITY PLIER** STD. PKG. 1. PKG. WT. ¼ LB.

NO. 2097 **8″ UTILITY PLIER** STD. PKG. 1. PKG. WT. ½ LB.

NO. 2098 **10″ UTILITY PLIER** STD. PKG. 1. PKG. WT. ¾ LB.

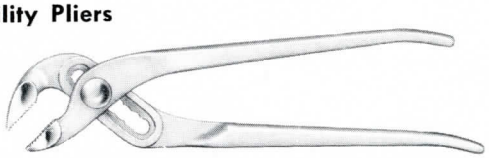
A fine plier, in any of the three sizes, for quality work. Drop forged from alloy steel for maximum strength. Fully polished for beauty and working comfort. Tapered nose, two position slip joint handles. Although general purpose pliers, they have all the characteristics that are identified with top quality. Will cut wire.

Water Pump Pattern Utility Pliers



While the head and jaws are especially designed for adjusting water pump packing nuts, this plier is most useful as a general utility plier. The parallel thin jaws are adjustable in 8 positions from closed to an opening of 1⅝″. Handles are shaped for comfort. Forged chrome alloy steel with polished jaws and handle panels. Brightly chrome plated. Over-all length 9¼″.

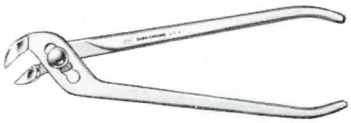
NO. 2100 **WATER PUMP PLIER** STD. PKG. 6. PKG. WT. 3¼ LBS.



A very good plier forged from Select Steel. Has thin jaws with 8 position slip joint. Range from closed to 1⅝″ with jaws parallel. Handles are comfortably curved. Fully polished and brightly chrome plated. Length 9¼″.

NO. 3403 **WATER PUMP PLIER** STD. PKG. 6. PKG. WT. 3 LBS.

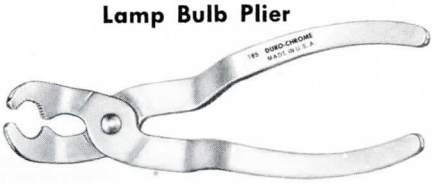
Ignition Plier



This Plier is ideal for ignition and other fine service work. Has extra thin parallel jaws with 4 adjustments from closed position to 9/16″ opening. Forged chrome alloy steel with polished jaws and satin finished handles. Brightly chrome plated. Length 5″.

NO. 2110 **IGNITION PLIER** STD. PKG. 6. PKG. WT. ½ LB.

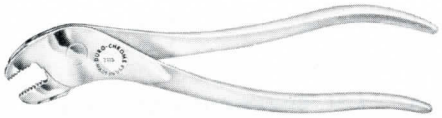
Lamp Bulb Plier



Bulbs in tail lights, parking lights, spot lights and signal lights frequently are hard to remove or replace. These lamp bulb pliers make it a safe and simple job. Sturdily made and rust resistant plated.

NO. 185 **LAMP BULB PLIER** STD. PKG. 6. PKG. WT. 1½ LBS.

Battery Pliers

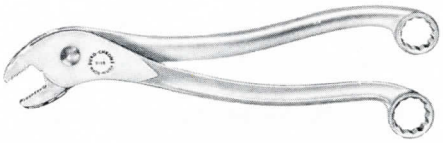


This plier is designed to provide positive grip of badly corroded or mutilated battery terminal nuts. Hand fitting handles enable confident grasp and will not pinch fingers. Forged chrome alloy steel with polished jaws and satin finish handles. Heavily chrome plated. Length 8″.

NO. 2115 **CHROME ALLOY STEEL BATTERY PLIER** STD. PKG. 6. PKG. WT. 2½ LBS.

Available also in forged select steel.

NO. 3416 **SELECT STEEL BATTERY PLIER** STD. PKG. 6. PKG. WT. 2¼ LBS.



A combination battery plier as well as a battery wrench. Box wrench openings are ⅝″ and 9/16″, popular sizes for battery terminal nuts. Plier jaws will work on undersize or mutilated nuts. Forged alloy steel, heavily chrome plated with polished jaws. Length 8½″.

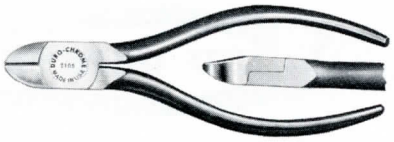
NO. 2114 **BATTERY PLIER—WRENCH** STD. PKG. 6. PKG. WT. 2¾ LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

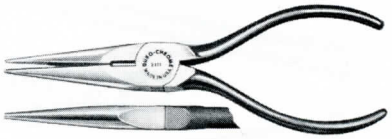
Short Nose Diagonal Cutter



Aviation type short nose plier with rivet very close to jaws for greater leverage. Cutting edges meet accurately.
Forged alloy steel, natural black handles with polished heads. Length 5⅞″.

NO. 2105 SHORT NOSE CUTTING PLIER
STD. PKG. 1. PKG. WT. ¼ LB.

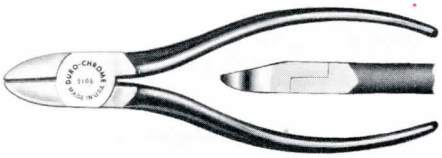
Long Nose Side Cutting Plier



The long thin jaws make this plier popular with mechanics, electricians and especially radio and television workers.
Strong accurately matched cutting edges. Jaws are cross grooved for holding power. Forged alloy steel, natural black handles with polished head. Length 6″.

NO. 2111 LONG NOSE CUTTING PLIER
STD. PKG. 1. PKG. WT. ¼ LB.

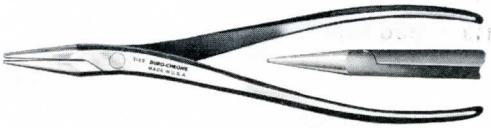
Diagonal Cutting Pliers



Accurately forged, tempered and ground cutting edges assure long, satisfactory service.
Alloy steel, comfortable handles in natural black, with polished heads. Length 6″.

NO. 2106 6″ CUTTING PLIER
STD. PKG. 1. PKG. WT. ¼ LB.

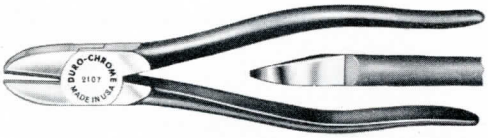
Needle Nose Assembly Pliers



Just the plier for reaching into tight places. Strong thin jaws with broad curved handles affords firm grip with complete comfort. Jaws are cross grooved for holding power.
Forged alloy steel. Natural black handles with polished sides and polished head. Length 8″.

NO. 2109 8″ NEEDLE NOSE PLIER
STD. PKG. 1. PKG. WT. ½ LB.

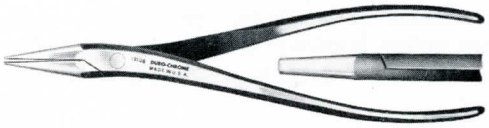
Heavy Duty Cutting Plier



Of heavier construction, with cutting edges tempered to cut piano wire, making it popular with mechanics working on manual control wires.
Forged alloy steel. Polished head and natural black handles. Length 7¼″.

NO. 2107 HEAVY DUTY CUTTING PLIER
STD. PKG. 1. PKG. WT. ½ LB.

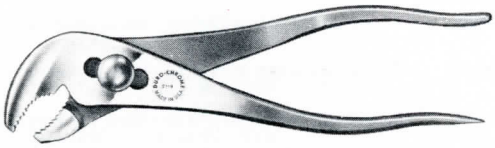
"Duck Bill" Wiring Plier



Broad, flat point makes this plier indispensible for straightening fins on heaters, condensers, evaporators, etc. Also popular with mechanics and electricians for pulling wire.
Cross grooved in jaws for firm grip.
Forged alloy steel, natural black handles and polished head. Length 7¾″.

NO. 2108 "DUCK BILL" PLIER
STD. PKG. 1. PKG. WT. ¼ LB.

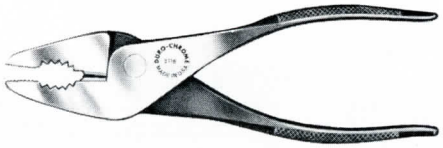
"Parrot Head" Slip Joint Plier



A general purpose plier with strong jaws opening at an angle for operation in close places. Jaws are deeply grooved and adjustable to three positions.
Forged alloy steel. Polished head and natural black handles. Length 7¼″.

NO. 2119 PARROT HEAD PLIER
STD. PKG. 1. PKG. WT. ¼ LB.

Slip Joint Pliers



The highest quality in general purpose plier for mechanics and electricians. Will handle round as well as flat work and also has heavy duty cutting edges.
Forged from alloy steel with polished heads and natural black handles. Available in 5½″ and 7″ lengths.

NO. 2117 5½″ SLIP JOINT PLIER
STD. PKG. 1. PKG. WT. ¼ LB.

NO. 2118 7″ SLIP JOINT PLIER
STD. PKG. 1. PKG. WT. ½ LB.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

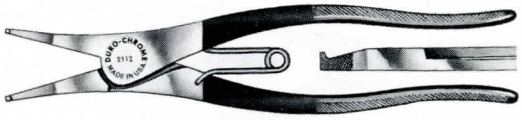
Body Trimmers Hog Ring Plier

Just the tool for quickly applying seat covers and making upholstery repairs. Body shops, car dealers, super service stations, everywhere seat covers are sold and applied, have use for one or more Hog Ring Plier.

Groove in jaws hold rings securely. For the popular large size rings. Overall length 7″.

NO. 2113 HOG RING PLIER
STD. PKG. 1. PKG. WT. ½ LB.

Lock Ring Plier



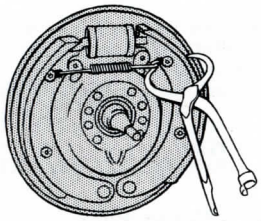
Lock rings are easily removed with this tool. Jaws are thin and strong with cross grooves on outside to prevent slipping. Jaw tips are offset to handle brake shoe lock rings and other shaft assemblies. Spring holds jaws in closed position.

Forged alloy steel with comfortable handles and polished head. Length 8″.

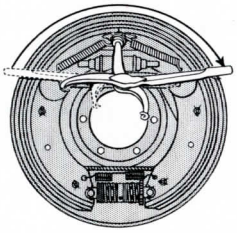
NO. 2112 LOCK RING PLIER
STD. PKG. 1. PKG. WT. ½ LB.

Brake Spring Pliers

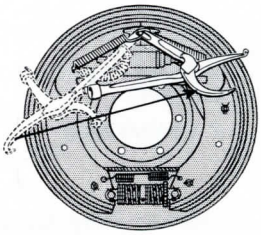
PLIER ACTION



CAM ACTION

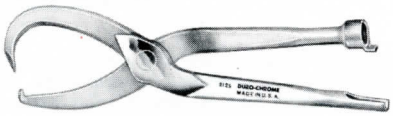


REPLACING SPRINGS

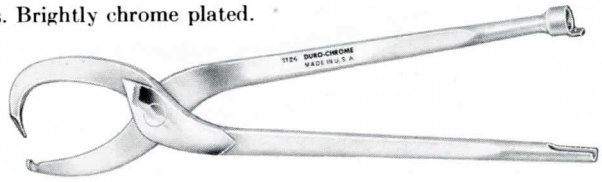


Makes an easy job of removing and applying brake springs. Pointed jaw holds in lined shoe while hook draws spring into position. End of one handle has cam which releases spring from anchor post with a simple turning motion. Other handle for replacing springs, is grooved to slip spring over anchor post.

Forged alloy steel. Sturdily built to handle the strongest springs. Brightly chrome plated.

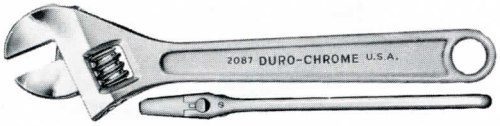


NO. 2125 8½″ BRAKE SPRING PLIER
STD. PKG. 3. PKG. WT. 1¾ LBS.



NO. 2126 13½″ HEAVY DUTY BRAKE SPRING PLIER
STD. PKG. 3. PKG. WT. 3 LBS.

ADJUSTABLE WRENCHES



Smooth and easy working; thin tapered jaws to work in most restricted places; balanced design, strong construction —that's what you get in these adjustable wrenches. Forged from alloy steel to develop their great strength with light weight. Brightly plated, heads polished and handles in satin finish. A mechanic's wrench built for every day hard work.

NO. 2086 6″ ADJUSTABLE WRENCH—Max. opening ¾″
STD. PKG. 1. PKG. WT. ¼ LB.

NO. 2087 8″ ADJUSTABLE WRENCH—Max. opening 15/16″
STD. PKG. 1. PKG. WT. ½ LB.

NO. 2088 10″ ADJUSTABLE WRENCH—Max. opening 1⅛″
STD. PKG. 1. PKG. WT. 1 LB.

NO. 2089 12″ ADJUSTABLE WRENCH—Max. opening 1 5/16″
STD. PKG. 1. PKG. WT. 2⅛ LBS.

REPLACEMENT PARTS

For No.	Jaw	Screw	Worm	Spring
2086	**2086-2**	**2086-3**	**2086-4**	**2086-5**
2087	**2087-2**	**2087-3**	**2087-4**	**2087-5**
2088	**2088-2**	**2088-3**	**2088-4**	**2088-5**
2089	**2089-2**	**2089-3**	**2089-4**	**2089-5**

DURO-CHROME

CHROME ALLOY STEEL

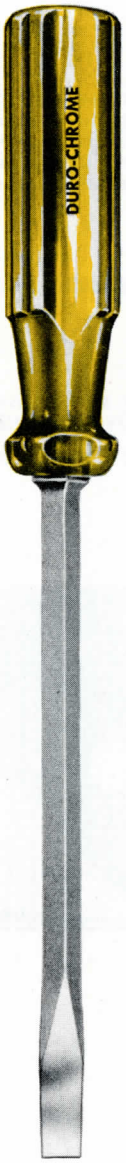
TOOLS OF PROGRESS

Cross section of handle Design Patented

DuroLite handled screw drivers have long been known for their durability, shock resistance and comfort in the hand. Coupled with a forged alloy steel blade accurately heat treated and properly ground makes them truly a mechanic's tool.

Notice how the clear amber handle corresponds to the shape of a normal grip. Lay it down and it will not roll away.

Blade is satin finished with polished tip. Fully chrome plated. Available in both regular length and stubby handle type.



SQUARE BLADE TYPE

No.	Blade Dimensions				Overall Length	Std. Pkg.	Pkg. Wt.
	Stock	Length	Tip				
			Width	Thick.			
4702	1/8"	2"	.156"	.030"	5"	6	1/4 lb.
4703	1/8"	3"	.156"	.030"	6"	6	1/4 lb.
4704	1/8"	4"	.156"	.030"	7"	6	1/4 lb.
***4711**	3/16"	1 1/2"	.187"	.032"	3 7/8"	6	1/4 lb.
4713	3/16"	3"	.187"	.032"	6 3/4"	6	3/4 lb.
4714	3/16"	4"	.187"	.032"	7 3/4"	6	3/4 lb.
4716	3/16"	6"	.187"	.032"	9 3/4"	6	3/4 lb.
4718	3/16"	8"	.187"	.032"	11 3/4"	6	1 lb.
4719	3/16"	10"	.187"	.032"	13 3/4"	6	1 1/4 lbs.
***4720**	1/4"	1 1/4"	.250"	.037"	3"	6	1/2 lb.
***4721**	1/4"	1 1/4"	.250"	.037"	3 5/16"	6	3/4 lb.
4722	1/4"	2"	.250"	.039"	6 1/8"	6	1 lb.
4724	1/4"	4"	.250"	.039"	8 1/8"	6	1 1/4 lbs.
4726	1/4"	6"	.250"	.039"	10 1/8"	6	1 1/2 lbs.
4728	1/4"	8"	.250"	.039"	12 1/8"	6	1 3/4 lbs.
4729	1/4"	10"	.250"	.039"	14 1/8"	6	2 lbs.
***4731**	5/16"	1 1/4"	.406"	.050"	3 5/16"	6	3/4 lb.
4730-6	5/16"	6"	.312"	.046"	10 5/8"	4	1 1/4 lbs.
4730-8	5/16"	8"	.312"	.046"	12 5/8"	4	1 1/2 lbs.
4730-10	5/16"	10"	.406"	.050"	14 5/8"	4	2 lbs.
4730-12	5/16"	12"	.406"	.050"	16 5/8"	4	2 1/4 lbs.
4740-6	3/8"	6"	.375"	.050"	10 1/4"	4	2 lbs.
4740-8	3/8"	8"	.375"	.050"	12 1/4"	4	2 1/4 lbs.
4740-10	3/8"	10"	.484"	.060"	15 1/2"	4	2 3/4 lbs.
4740-12	3/8"	12"	.484"	.060"	17 1/2"	4	3 lbs.
4740-18	3/8"	18"	.484"	.060"	23 1/2"	4	4 1/4 lbs.
4750-6	7/16"	6"	.609"	.070"	10 7/8"	2	1 1/4 lbs.
4750-8	7/16"	8"	.609"	.070"	12 7/8"	2	1 1/2 lbs.
4750-10	7/16"	10"	.609"	.070"	15 7/8"	2	2 lbs.
4750-12	7/16"	12"	.609"	.070"	17 7/8"	2	2 1/4 lbs.
4750-18	7/16"	18"	.609"	.070"	23 7/8"	2	3 lbs.
4760-6	1/2"	6"	.671"	.080"	11 1/4"	2	1 3/4 lbs.
4760-8	1/2"	8"	.671"	.080"	13"	2	2 lbs.
4760-10	1/2"	10"	.671"	.080"	16 1/4"	2	2 1/2 lbs.
4760-12	1/2"	12"	.671"	.080"	18 1/4"	2	3 3/4 lbs.
4760-18	1/2"	18"	.671"	.080"	24 1/4"	2	4 lbs.

*Stubby Handle Type.

POCKET TYPE

Round blade type has same comfortable DuroLite handle with forged chrome alloy steel blade fully polished and chrome plated. Popular for electrical work.

ROUND BLADE TYPE

No.	Blade Dimensions				Overall Length	Std. Pkg.	Pkg. Wt.
	Stock	Length	Tip				
			Width	Thick.			
† 182	1/8"	1 7/8"	.156"	.030"	3 15/16"	12	1/4 lb.
4602	1/8"	2"	.140"	.026"	4 7/8"	6	1/4 lb.
4603	1/8"	3"	.156"	.030"	6"	6	1/4 lb.
4604	1/8"	4"	.140"	.026"	7"	6	1/4 lb.
4606	1/8"	6"	.156"	.030"	9"	6	1/4 lb.
4608	1/8"	8"	.140"	.026"	11"	6	1/2 lb.
***4611**	3/16"	1 1/2"	.187"	.032"	4"	6	1/4 lb.
4613	3/16"	3"	.203"	.032"	6 3/8"	6	1/2 lb.
4614	3/16"	4"	.187"	.032"	7 3/8"	6	1/2 lb.
4616	3/16"	6"	.187"	.032"	9 3/4"	6	3/4 lb.
4618	3/16"	8"	.203"	.032"	11 3/4"	6	3/4 lb.
4619	3/16"	10"	.203"	.032"	13 3/4"	6	1 lb.

*Stubby Handle Type.
†With Handy Pocket Clip.

STUBBY TYPE

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

SPARK TESTING SCREW DRIVERS

Dual purpose screw drivers which have a neon tube in the handle are used by mechanics for testing spark plugs. They are also indispensable for testing High Voltage Circuits in X-Ray, radio, television and similar work.
The Neon tube flashes when blade of screw driver is touched to spark plug, secondary ignition circuit or high tension wiring. The brilliancy and frequency of flash indicates the condition of parts being tested. Clear amber handle magnifies flash. Blade is of chrome alloy steel fully polished and chrome plated.

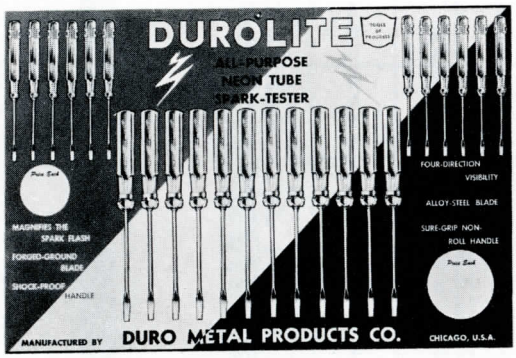
A sturdy screw driver, blade 3/16″ x 4″ with neon tube in handle. Overall length 7¾″.

NO. 4692 SPARK TESTING SCREW DRIVER
STD. PKG. 6. PKG. WT. ¾ LB.

Pocket Size with Clip

A convenient pocket size screw driver with spark testing handle and pocket clip. Blade is ⅛″ x 2¼″ and overall length 5″.

NO. 4691 POCKET SPARK TESTING SCREW DRIVER
STD. PKG. 6. PKG. WT. ¼ LB.



MERCHANDISING DISPLAY OF SPARK TESTING SCREW DRIVERS

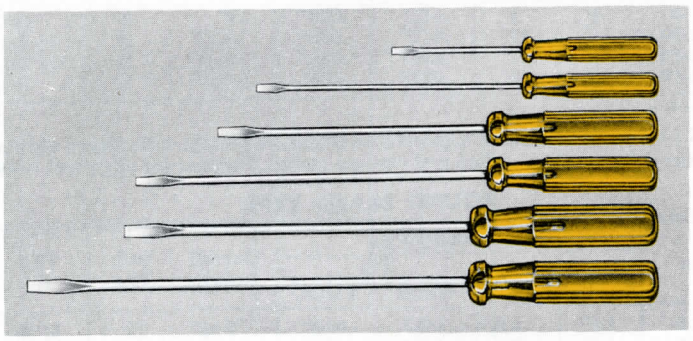
This colorful merchandiser will sell more spark testing screw drivers for you. In three colors, can be hung on end of stock bin or displayed on counter on its own easel.

Displays 12 No. 4691 Pocket type and 12 No. 4692 Spark testing screw drivers.

NO. 4692-C24 DISPLAY OF SPARK TESTING SCREW DRIVERS
STD. PKG. 1. PKG. WT. 2 LBS.

Electricians Insulated Blade Screw Drivers

Shock Proof



Tested Safe

Exhaustive tests by Armour Research Foundation proved this tool will withstand voltages far in excess of normal live line service. Insulation is achieved by use of tough plastic covering of high dielectric strength.

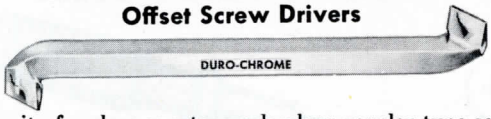
No.	Blade Dimensions				Overall Length	Std. Pkg.	Pkg. Wt.
	Diameter	Length	Width	Thickness			
4693	⅛″	3″	.140″	.026″	6″	6	¼ lb.
4694	⅛″	6″	.140″	.026″	9″	6	¼ lb.
4695	3/16″	6″	.200″	.030″	9¾″	6	¾ lb.
4697	¼″	8″	.275″	.040″	12⅛″	6	1½ lbs.
4698	¼″	10″	.275″	.040″	14⅛″	6	1¾ lbs.

DURO-CHROME

TOOLS OF PROGRESS

CHROME ALLOY STEEL

Offset Screw Drivers



A necessity for close quarter work where regular type screw drivers cannot be used. Forged from square stock chrome alloy steel. Satin finish for sure grip.

No.	Stock Size	Length	Tip Width	Tip Thick.	Std. Pkg.	Pkg Wt.
4771A	1/8"	3 3/16"	.208"	.033"	6	1/8 lb.
4771	3/16"	3 15/16"	.290"	.040"	6	1/4 lb.
4772	1/4"	4 3/4"	.388"	.050"	6	1/2 lb.
4773	5/16"	5 5/8"	.490"	.060"	6	1 lb.
4774	1/2"	6 5/8"	.590"	.070"	6	1 1/2 lbs.

Set of 4 in Kit

Set of four offset screw drivers Nos. 4771, 4772, 4773 and 4774 in durable plastic kit.

NO. 4770-4 SET OF 4 OFFSET SCREW DRIVERS
STD. PKG. 1. PKG. WT. 3/4 LB.

Set of 5 in Metal Clip

Set of 5 Offset Screw Drivers listed above in metal clip.

NO. 4770-5K SET OF 5 OFFSET SCREW DRIVERS
STD. PKG. 1. PKG. WT. 3/4 LB.

Pocket Screw Driver Merchandiser

This screw driver with DuroLite handle and handy pocket clip is much prized by ignition men and radio and television repair men where positive insulation is desired. A popular tool with almost everyone. Blade 1/8" x 1 7/8", fully polished and brightly plated.

Attractive card 8 1/2" x 11" displays and sells 12 Pocket Screw Drivers.

NO. 182-C12 POCKET SCREW DRIVER MERCHANDISER
STD. PKG. 1. PKG. WT. 1/2 LB.

CLUTCH HEAD SCREW DRIVERS—TYPE "G"

Clutch head screws are now widely used on automobiles, trucks, refrigerators, radios and a variety of other products. In addition to being self centering and non-marring, this design is most popular for service work, driving both old and new style clutch head screws. Blade of Chrome alloy steel for extra strength, Chrome plated and polished. A necessary tool for every mechanic's tool box and around a household.

DUROLITE HANDLES

DuroLite handles are almost indestructible, shockproof and eye appealing, and are especially shaped to fit your hand for a comfortable grip.

No.	Size	Blade Length	Overall Length	Std. Pkg.	Pkg. Wt.
4640	5/32"	4"	7 3/8"	6	3/4 lb.
4641	3/16"	4"	7 3/4"	6	1 lb.
4642	1/4"	6"	10 1/8"	6	1 3/4 lbs.
4643	5/16"	6"	10 1/4"	6	2 1/4 lbs.
4644	3/8"	6"	10 1/4"	6	2 1/2 lbs.
4649	5/32"	1 1/2"	3 1/4"	6	1/2 lb.

WOOD HANDLES

Handle smoothly finished from selected hard wood, with brightly plated steel ferrule. A truly high grade screw driver.

No.	Size	Blade Length	Overall Length	Std. Pkg.	Pkg. Wt.
4630	5/32"	4"	8"	6	1 lb.
4631	3/16"	4"	8 3/4"	6	1 lb.
4632	1/4"	6"	11 3/8"	6	1 3/4 lbs.
4633	5/16"	6"	12"	6	2 1/4 lbs.
4634	3/8"	6"	12 1/2"	6	2 1/2 lbs.
4639	5/32"	1 1/2"	3 7/8"	6	3/4 lb.

CHART OF CLUTCH HEAD SCREW SIZES

Driver No.	Flat Head	Oval Head	Fillister Head	Hex Head	Pan Head	Truss and Binding Head
4630 **4640**	6–8	6–8	8–10	8–6*† 10–8–*†	6–8–10	8
4631 **4641**	10*	10*	12*	12*	12*	10*–12*
4632 **4642**	12–14† 1/4–16†	12–14† 1/4–16†	1/4	1/4–14† 16†–18†	1/4–14† 16†–18†	1/4–14† 16†–18†
4633 **4643**	5/16–18† 20†	5/16–18† 20†	5/16	5/16–20† 24†	5/16–20† 24†	5/16–20† 24†
4634 **4644**	3/8*–24†	3/8*–24*†	5/16	5/16	5/16	5/16
4639 **4649**	6–8	6–8	8–10	8–10	6–8–10	8

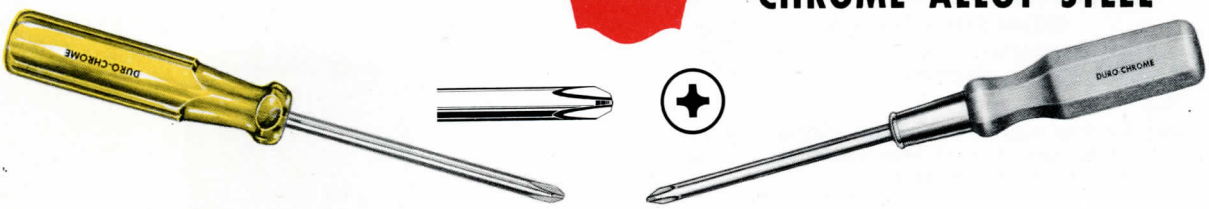
*General Motors requires one size smaller under certain conditions.

†Wood screws and some self-tapping screws.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL



So many cars, trucks and busses are using Phillips Screws on panels, mouldings, hinges, etc. that every mechanic must be equipped with a set of Phillips type Screw Drivers. Phillips type Screws are also used extensively on furniture, fixtures and many appliances, both in industry and around the home.

All Duro-Chrome Phillips type blades are made from chrome alloy steel as the cheaper type seldom proves satisfactory. Fully polished and chrome plated.

Available with either DuroLite or wood handle. The Duro-Lite handle is the best looking as well as the toughest handle to be had on tools of this type. Shaped to fit the hand.

Wood handle has metal ferrule for added strength. A substantial tool at a competitive price.

Point Size	Fits Phillips Screw Size	Point Size	Fits Phillips Screw Size
1	No. 4 and Smaller	3	10 to 16 inclusive
2	5 to 9 inclusive	4	18 and Larger

Handle Type	No.	Point Size	Blade Length	Overall Length	Std. Pkg.	Pkg. Wt.
DuroLite	**4681**	1	3″	6⅜″	6	¾ lb.
	4682	2	4″	8⅛″	6	1¼ lbs.
	4683	3	6″	10¼″	6	2¼ lbs.
	4684	4	8″	12⅞″	6	3¼ lbs.
Wood	**4661**	1	3″	6⅞″	6	½ lb.
	4662	2	4″	9¼″	6	1¼ lbs.
	4663	3	6″	12″	6	2 lbs.
	4664	4	8″	14″	6	3¼ lbs.

SQUARE SHANK TYPE

Square shank for use with wrench for additional leverage.

No.	Point Size	Blade Length	Overall Length	Std. Pkg.	Pkg. Wt.
4686	3	3¾″	8¼″	4	1½ lbs.
4687	4	3¾″	8½″	4	2 lbs.

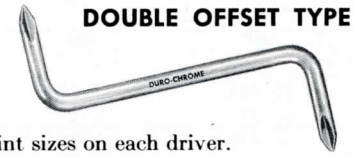
STUBBY TYPE

Handle Type	No.	Point Size	Blade Length	Overall Length	Std. Pkg.	Pkg. Wt.
DuroLite	**4688**	1	1¼″	3″	6	½ lb.
	4689	2	1½″	3 9/16″	6	¾ lb.
Wood	**4668**	1	1¼″	3⅝″	6	½ lb.
	4669	2	1½″	3⅞″	6	½ lb.

OFFSET TYPE

No.	Point Size	Length	Std. Pkg.	Pkg. Wt.
4651	1	2¼″	6	⅛ lb.
4652	2	3¾″	6	¼ lb.
4653	3	5″	6	¾ lb.
4654	4	6″	6	1¼ lbs.

DOUBLE OFFSET TYPE



Two point sizes on each driver.

No.	Point Size	Length	Std. Pkg.	Pkg. Wt.
4656-12	1 and 2	4¾″	6	½ lb.
4656-23	2 and 3	5⅜″	6	1 lb.
4656-34	3 and 4	6¼″	4	1 lb.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

Good mechanics will appreciate the quality built into Duro-Chrome Punches and Chisels. The best chrome alloy steel is used and by skillfully controlled heat treating the right degree of hardness and toughness is developed throughout.

The tips and cutting edges are hard enough to retain their shape or cutting edge while the body and head are softer to withstand hammer blows without chipping. Mechanics use them with confidence.

Handles are octagon in satin finish for sure grip. Blades and tips are polished. All brightly chrome plated.

Flat Cold Chisels

Correctly beveled edges for fast cutting and long life.

No.	Width Bit	Length	Size Stock	Std. Pkg.	Pkg. Wt.
1969	1/4"	4 1/2"	1/4"	6	1/4 lb.
1900	3/8"	5"	5/16"	6	1/2 lb.
1901	1/2"	5 3/4"	3/8"	6	1 lb.
1902	5/8"	6"	1/2"	6	1 3/4 lbs.
1903	3/4"	7"	5/8"	6	3 1/4 lbs.
1904	7/8"	8"	3/4"	6	5 3/4 lbs.
1905	1"	9"	7/8"	6	8 lbs.

Gouge Chisels

For grooving and filleting work.

1920	7/32"	5"	5/16"	6	1/2 lb.
1921	1/4"	6"	3/8"	6	1 lb.

Cape Chisels

Shank is narrower than cutting edge for use in keyways.

1910	7/32"	5"	5/16"	6	1/2 lb.
1911	5/16"	6"	3/8"	6	1 lb.
1912	3/8"	6"	1/2"	6	1 3/4 lbs.

Diamond Point Chisels

For cutting sharp V grooves or square corners.

1930	5/64"	5"	5/16"	6	1/2 lb.
1931	1/8"	6"	3/8"	6	1 lb.
1932	3/16"	6"	1/2"	6	1 3/4 lbs.
1933	1/4"	7"	5/8"	6	3 1/4 lbs.
1934	5/16"	8"	3/4"	6	5 1/4 lbs.

Long Drift Punches

Used to line up two or more pieces before applying bolt, key or rivet.

1990	1/4"	16"	5/8"	6	7 lbs.
1991	7/32"	14"	1/2"	6	4 lbs.
1992	3/16"	12"	3/8"	6	2 lbs.

Solid or Long Taper Punches

Always use this type of punch to start driving a pin or rivet out of a hole.

No.	Width Bit	Length	Size Stock	Std. Pkg.	Pkg. Wt.
1967	3/32"	6"	1/4"	6	1/2 lb.
1950	3/32"	4 1/2"	5/16"	6	1/2 lb.
1951	1/8"	6 1/2"	5/16"	6	3/4 lb.
1952A	5/32"	7"	3/8"	6	1 lb.
1952	3/16"	7"	3/8"	6	1 lb.
1953	7/32"	7 1/2"	1/2"	6	1 3/4 lbs.
1954	1/4"	8"	5/8"	6	3 lbs.
1955	9/32"	11"	5/8"	6	4 3/4 lbs.

Pin Punches

Made with straight shank to finish driving pin or rivet out of a hole.

1940	3/32"	4 1/2"	5/16"	6	1/2 lb.
1941	1/8"	4 1/2"	5/16"	6	1/2 lb.
1942	5/32"	4 1/2"	5/16"	6	1/2 lb.
1943	5/32"	6"	5/16"	6	3/4 lb.
1944	3/16"	6 1/2"	3/8"	6	1 lb.
1945	7/32"	6 7/8"	3/8"	6	1 lb.
1946	1/4"	7 1/4"	3/8"	6	1 lb.
1947	5/16"	7 5/8"	1/2"	6	2 lbs.

Center Punches

Used to locate hole for drilling. Makes a small 60° punch mark.

1970	.....	4"	5/16"	6	1/2 lb.
1971	.....	5"	3/8"	6	3/4 lb.
1973	.....	6"	5/8"	6	2 1/2 lbs.

Jimmy Pry Bars

One end has aligning point, the other a curved chisel face.

1980	11/16"	12"	1/2"	6	3 1/2 lbs.
1981	1"	16"	5/8"	6	7 1/4 lbs.
1982	1 1/8"	20"	3/4"	6	13 1/4 lbs.

Close Quarter Pry Bar

Will give needed prying action on gears, bushings, bearing seals, etc. in close quarters.

1988	5/8"	15"	1/2"	6	5 lbs.
1988A	3/4"	18"	5/8"	6	8 3/4 lbs.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

4 Piece Set

A basic set for general use.

In attractive heavy plastic kit with each tool in individual pockets.

CONTENTS

No. 1971	3/8" Center Punch
No. 1902	5/8" Cold Chisel
No. 1912	3/8" Cape Chisel
No. 1943	5/32" Pin Punch

NO. 19004 4 PC. PUNCH AND CHISEL SET
STD. PKG. 1. PKG. WT. 1 LB.

5 Piece Set

This set has one each of the various types of chisels as well as center punch. In durable plastic kit.

CONTENTS

No. 1900	3/8" Cold Chisel
No. 1910	7/32" Cape Chisel
No. 1920	7/32" Gouge Chisel
No. 1971	3/8" Center Punch
No. 1930	5/64" Diamond Point Chisel

NO. 19006 5 PC. PUNCH AND CHISEL SET
STD. PKG. 1. PKG. WT. ½ LB.

15 Piece Set

A most complete set of punches and chisels for the professional mechanic. Contains the most used sizes of each style of punch and chisel.
Colorful, heavy gauge plastic kit has individual pocket for each tool. A convenience in selecting the tool needed for the job at hand.

CONTENTS

COLD CHISELS		**TAPER PUNCHES**	
No. 1900	3/8"	No. 1950	3/32"
No. 1901	1/2"	No. 1952	3/16"
No. 1902	5/8"	No. 1953	7/32"
GOUGE CHISEL		**PIN PUNCHES**	
No. 1921	1/4"	No. 1943	5/32"
CAPE CHISELS		No. 1944	3/16"
No. 1910	7/32"	No. 1945	7/32"
No. 1912	3/8"	No. 1946	1/4"
DIAMOND PT. CHISEL		**CENTER PUNCH**	
No. 1931	1/8"	No. 1971	3/8"

NO. 19001 15 PIECE PUNCH AND CHISEL SET
STD. PKG. 1. PKG. WT. 3 LBS.

5 Piece Set

A primary punch set with a popular size cold chisel in durable plastic kit.

CONTENTS

No. 1900	3/8" Cold Chisel
No. 1940	3/32" Pin Punch
No. 1941	1/8" Pin Punch
No. 1950	3/32" Taper Punch
No. 1970	5/16" Center Punch

NO. 19002 5 PC. PUNCH AND CHISEL SET
STD. PKG. 1. PKG. WT. ½ LB.

5 Piece Set

Five sizes of chisels are offered in this set. Have the right size for every job. In heavy gauge plastic kit.

CONTENTS

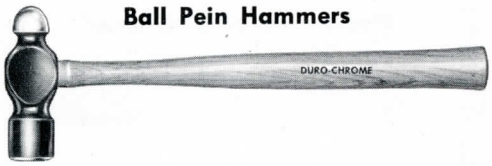
No. 1901	1/2" Cold Chisel
No. 1902	5/8" Cold Chisel
No. 1903	3/4" Cold Chisel
No. 1904	7/8" Cold Chisel
No. 1905	1" Cold Chisel

NO. 19005 5 PC. CHISEL SET
STD. PKG. 1. PKG. WT. 3½ LBS.

DURO-CHROME

TOOLS OF PROGRESS

Ball Pein Hammers



This line of Machinists' Forged Pein Hammers is of the very highest quality. The heads are forged from special steel, heat treated, tempered and ground, with faces polished. Handles are top grade second growth hickory.

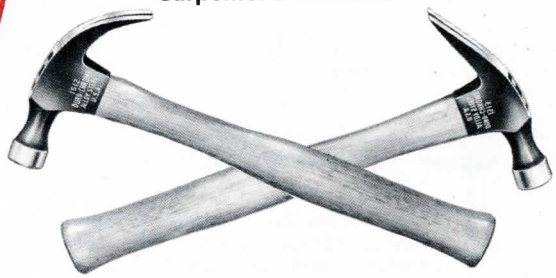
No.	Weight	Length	Std. Pkg.	Pkg. Wt.
1530-2	2 oz.	9½"	3	¾ lb.
1530-4	4 oz.	10½"	3	1 lb.
1530-8	8 oz.	11⅜"	6	4 lbs.
1530-12	12 oz.	13⅛"	3	3 lbs.
1530-16	16 oz.	14⅜"	6	7¾ lbs.
1530-20	20 oz.	15"	3	4½ lbs.
1530-24	24 oz.	15"	3	5½ lbs.
1530-32	32 oz.	16⅛"	3	7 lbs.

Handles For Ball Pein Hammers

Top grade second growth hickory handles for hammers listed above.

No.	Length	Std. Pkg.	Pkg. Wt.
1530-2H	9½"	6	½ lb.
1530-4H	10½"	6	¾ lb.
1530-8H	11⅜"	6	1 lb.
1530-12H	13⅛"	6	1¼ lbs.
1530-16H	14⅜"	6	1½ lbs.
1530-20H	15"	6	2 lbs.
1530-24H	15"	6	2 lbs.
1530-32H	16⅛"	6	2½ lbs.

Carpenter's Hammer



Perfectly balanced hammers. Heads drop forged from alloy steel, will not chip or flare. Claw slot ground to draw any size nail. Designed for the professional man.
Selected first quality handles, formed for comfort and securely wedged. Smooth black oxidized heads, pein and back of claws are fully polished.
The curved claw type is the popular hammer for general use Weight 1 pound.

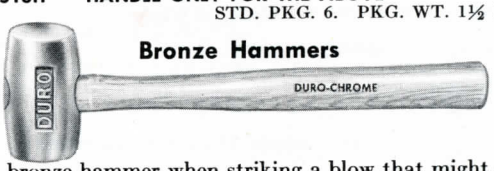
NO. 1512 CURVED CLAW HAMMER
STD. PKG. 6. PKG. WT. 8¾ LBS.

The straight claw type is generally used for ripping. Weight 1 pound.

NO. 1513 STRAIGHT CLAW HAMMER
STD. PKG. 6. PKG. WT. 8¾ LBS.

NO. 1513H HANDLE ONLY FOR THE ABOVE
STD. PKG. 6. PKG. WT. 1½ LBS.

Bronze Hammers

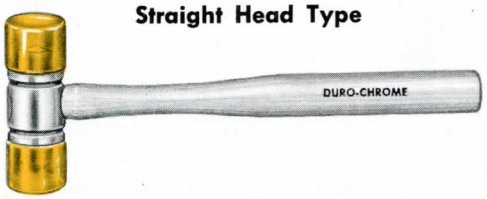


Use a bronze hammer when striking a blow that might mar finished surfaces or damage threads, etc.

No.	Weight	Length	Std. Pkg.	Pkg. Wt.
1580	8 oz.	11½"	2	1½ lbs.
1583	24 oz.	11½"	2	3¼ lbs.
1584	32 oz.	11½"	2	4¼ lbs.

DUROLITE HAMMERS

Straight Head Type



Hammer faces are clear amber colored, tough Duro-Lite material which will deliver a blow without damage to machined parts. Should hammer faces become marred from long hard use they may easily be replaced on the steel head. These hammers have cylindrical faces of same diameter on either end. See listing and note below about replacement heads.

DuroLite Hammers						DuroLite Replacement Heads			
No.	Weight	Head Face Diameters	Length	Std. Pkg.	Pkg. Wt.	Straight Head	Face Diam.	Std. Pkg.	Pkg. Wt.
1501	6 oz.	1" & 1"	9"	4	1½ lbs.	1531A	1"	6	¼ lb.
1503	9 oz.	1¼" & 1¼"	10½"	4	2½ lbs.	1533A	1¼"	6	¼ lb.
1504	16 oz.	1½" & 1½"	12"	4	4 lbs.	1534A	1½"	6	½ lb.
1505	24 oz.	1¾" & 1¾"	13"	4	6¼ lbs.	1505A	1¾"	6	¾ lb.
1506	32 oz.	2" & 2"	14½"	4	8½ lbs.	1506A	2"	6	1 lb.

Note: 1531A and 1531B will fit hammer No. 1501; 1533A and 1533B will fit No. 1503; 1534A and 1534B will fit No. 1504.

Combination Head Type

Feature of these hammers is the tough DuroLite heads, one straight or full faced and one tapered for smaller face. Fine for use in confined space or on small objects. Replacement heads are listed below.

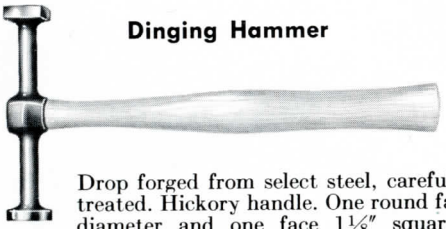
DuroLite Hammers						DuroLite Replacement Heads							
No.	Weight	Head Face Diameters	Length	Std. Pkg.	Pkg. Wt.	Straight Head	Face Diam.	Std. Pkg.	Pkg. Wt.	Taper Head	Face Diam.	Std. Pkg.	Pkg. Wt.
1531	6 oz.	19/32" & 1"	9"	4	1½ lbs.	1531A	1"	6	¼ lb.	1531B	19/32"	6	⅛ lb.
1533	9 oz.	25/32" & 1¼"	10½"	4	2½ lbs.	1533A	1¼"	6	¼ lb.	1533B	25/32"	6	¼ lb.
1534	16 oz.	1" & 1½"	12"	4	4 lbs.	1534A	1½"	6	½ lb.	1534B	1"	6	½ lb.

TOOLS OF PROGRESS

DURO-CHROME

SELECT STEEL

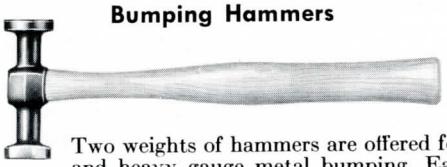
Dinging Hammer



Drop forged from select steel, carefully heat treated. Hickory handle. One round face 1¼″ diameter and one face 1⅛″ square, both highly polished. Head 6″ long. Weight 13 oz. Used for pounding down ridges.

NO. 1552 DINGING HAMMER
STD. PKG. 4. PKG. WT. 3½ LBS.

Bumping Hammers

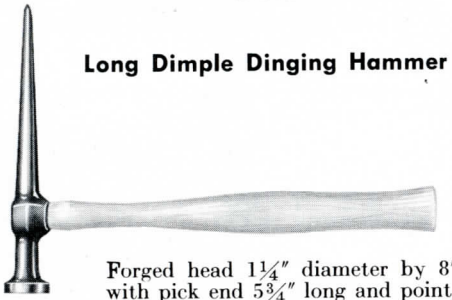


Two weights of hammers are offered for light and heavy gauge metal bumping. Each has one head 1¼″ diameter, the other 1¼″ square. Head length 4″. Forged and hardened with hickory handle.

NO. 1551 BUMPING HAMMER, 10 OZ.
STD. PKG. 4. PKG. WT. 3 LBS.

NO. 1550 BUMPING HAMMER, 13 OZ.
STD. PKG. 4. PKG. WT. 4 LBS.

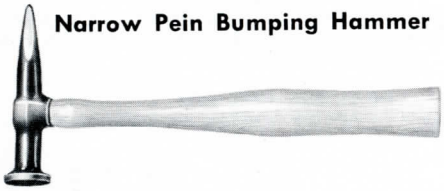
Long Dimple Dinging Hammer



Forged head 1¼″ diameter by 8″ overall with pick end 5¾″ long and point 1/32″ dia. for dinging up low spots in metal finishing. Weight 10 oz.

NO. 1526 LONG DIMPLE DINGING HAMMER
STD. PKG. 3. PKG. WT. 2¼ LBS.

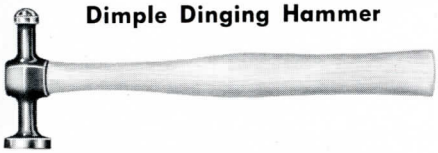
Narrow Pein Bumping Hammer



For driving up small dents, and in sharp corners, beads, and mouldings. Forged head 1¼″ diameter, pein is 3/32″ thick and 9/16″ wide. Working surfaces highly polished. Weight 12 oz.

NO. 1527 NARROW PEIN BUMPING HAMMER
STD. PKG. 3. PKG. WT. 2½ LBS.

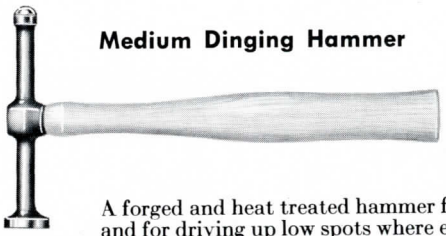
Dimple Dinging Hammer



For work in close quarters, head 4″ overall, 1¼″ diameter face with pein ⅝″ diameter for driving up metal in high crown sections. Forged, polished faces, hickory handle. Weight 9 oz.

NO. 1549 DIMPLE DINGING HAMMER
STD. PKG. 4. PKG. WT. 2½ LBS.

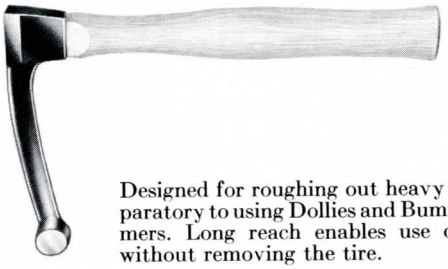
Medium Dinging Hammer



A forged and heat treated hammer for dinging and for driving up low spots where extra reach is needed. Head diameter 1¼″, overall 6″. Diameter of rounded end ⅝″. Weight 11 oz.

NO. 1539 MEDIUM DINGING HAMMER
STD. PKG. 4. PKG. WT. 3 LBS.

Fender Bumping Hammer

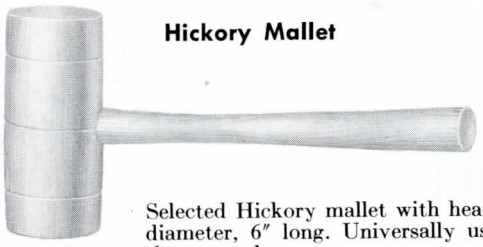


Designed for roughing out heavy dents preparatory to using Dollies and Bumping Hammers. Long reach enables use on fenders without removing the tire.

A forged hammer with polished head and hickory handle. Face of hammer is 1¼″ diameter by 1⅝″ long. Head is 8½″ overall. Weight 2 lbs.

NO. 1553 FENDER BUMPING HAMMER
STD. PKG. 4. PKG. WT. 8½ LBS.

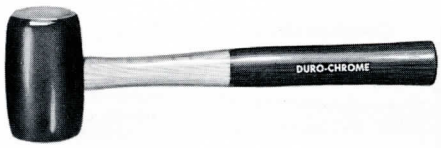
Hickory Mallet



Selected Hickory mallet with head 2⅜″ diameter, 6″ long. Universally used on sheet metal.

NO. 1554 HICKORY MALLET
STD. PKG. 4. PKG. WT. 4¾ LBS.

Rubber Mallet



These Special Composition Rubber Mallets have the unusual feature of all being the same head size, about 2″ in diameter and 3¼″ long, but having different weights distinguished by handle color.

NO. 1536 16. OZ. MALLET
STD. PKG. 4. PKG. WT. 4½ LBS.

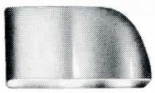
NO. 1537 18 OZ. MALLET
STD. PKG. 4. PKG. WT. 5½ LBS.

NO. 1538 24 OZ. MALLET
STD. PKG. 4. PKG. WT. 6¾ LBS.

DURO-CHROME

TOOLS OF PROGRESS

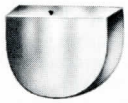
Toe Dolly



One of the most used tools for flat or low crowned panels. Polished all over. Weight 2¼ lbs.

NO. 1555 TOE DOLLY
STD. PKG. 1. PKG. WT. 2¼ LBS.

Heel Dolly



Wide crowned surfaces and almost square corners make this dolly a basic repair tool. Polished all over. Weight 2¼ lbs.

NO. 1560 HEEL DOLLY
STD. PKG. 1. PKG. WT. 2¼ LBS.

Utility Dolly

The combination of shapes on this anvil type dolly makes it popular for all around use. Polished all over. Weight 2¼ lbs.

NO. 1556 UTILITY DOLLY
STD. PKG. 1. PKG. WT. 2¼ LBS.

Large Hand Dolly

Used on heavy gauge metal and for hard jobs of roughing out panels. Polished working faces. Weight 2¾ lbs.

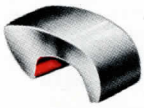
NO. 1558 LARGE HAND DOLLY
STD. PKG. 1. PKG. WT. 2¾ LBS.

Small Hand Dolly

Of lighter weight and smaller size than No. 1558. Works well on higher crowned panels. Polished working faces. Weight 1¾ lbs.

NO. 1557 SMALL HAND DOLLY
STD. PKG. 1. PKG. WT. 1¾ LBS.

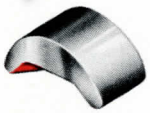
Curved Dolly



Convenient for reaching into corners. Polished working faces. Weight 2¼ lbs.

NO. 1564 CURVED DOLLY
STD. PKG. 1. PKG. WT. 2¼ LBS.

Streamlined Dolly



High crowned panels can easily be fitted by the contour of this popular dolly. Polished working faces. Weight 2 lbs.

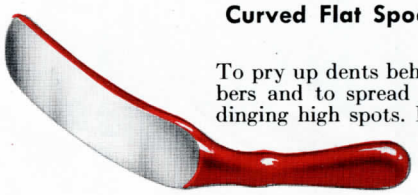
NO. 1565 STREAMLINED DOLLY
STD. PKG. 1. PKG. WT. 2 LBS.

Bead Dolly

Designed specifically for bead and drip moulding repair. Polished working faces. Weight 1¼ lbs.

NO. 1559 BEAD DOLLY
STD. PKG. 1. PKG. WT. 1¼ LBS.

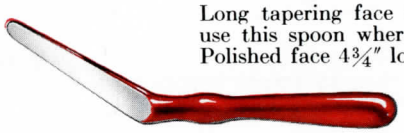
Curved Flat Spoon



To pry up dents behind other body members and to spread hammer blows when dinging high spots. Polished face 2″ x 6″.

NO. 1561 CURVED FLAT SPOON
STD. PKG. 1. PKG. WT. 1¼ LBS.

Long Flat Spoon



Long tapering face makes it possible to use this spoon where others will not fit. Polished face 4¾″ long.

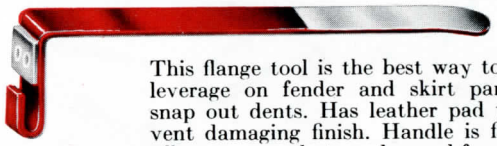
NO. 1562 LONG FLAT SPOON
STD. PKG. 1. PKG. WT. 1 LB.

Fender Spoon

Short flat type spoon for straightening corners or flanges. Polished working face.

NO. 1563 FENDER SPOON
STD. PKG. 1. PKG. WT. ¾ LB.

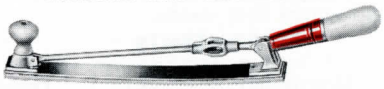
Flange Tool



This flange tool is the best way to apply leverage on fender and skirt panels to snap out dents. Has leather pad to prevent damaging finish. Handle is finished off as a spoon that can be used for prying. Length 17½″.

NO. 1576 FLANGE TOOL
STD. PKG. 3. PKG. WT. 6¾ LBS.

Flexible File and Holder



Holder has comfortable grips and affords complete control of file. Turnbuckle will adjust for both concave and convex filing. A necessity for body finishing.

NO. 1571 14″ FLEXIBLE FILE AND HOLDER
STD. PKG. 1. PKG. WT. 2 LBS.

NO. 1571H ADJUSTABLE HOLDER ONLY
STD. PKG. 1. PKG. WT. 1½ LBS.

NO. 1571F 14″ FILE ONLY FOR ABOVE
STD. PKG. 6. PKG. WT. 4½ LBS.

Straight File Holder

Takes the same file as above, but without adjustable feature.

NO. 1570 FILE AND STRAIGHT HOLDER COMPLETE
STD. PKG. 1. PKG. WT. 2¼ LBS.

TOOLS OF PROGRESS

DURO-CHROME

DELUXE BODY AND FENDER SET

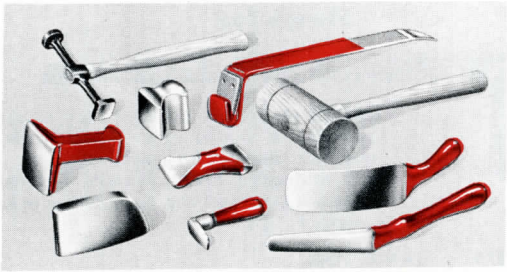
Every type of auto body damage can be repaired with the tools included in this set. Forged dinging and bumping hammers and a selection of popular dollies and spoons will save many hours on otherwise difficult jobs. See preceding pages for complete description of tools listed.

CONTENTS

No.	Description	No.	Description	No.	Description
1550	Bumping Hammer	1557	Small Hand Dolly	1561	Curved Flat Spoon
1552	Dinging Hammer	1558	Large Hand Dolly	1562	Long Flat Spoon
1553	Fender Hammer	1559	Bead Dolly	1563	Fender Spoon
1554	Hickory Mallet	1560	Heel Dolly	1571	Flexible File and Holder
1555	Toe Dolly	1564	Curved Dolly	1576	Flange Tool
1556	Utility Dolly	1565	Streamlined Dolly		

NO. 1594A **17 PIECE DELUXE BODY AND FENDER SET COMPLETE IN METAL BOX** STD. PKG. 1. PKG. WT. 42 LBS.
NO. 1595A **BODY AND FENDER TOOLS ONLY IN FIBRE BOX** STD. PKG. 1. PKG. WT. 31 LBS.
NO. 9946 **METAL BOX ONLY—19½" x 8¾" x 8½"** STD. PKG. 1. PKG. WT. 12½ LBS.

Mechanic's Set



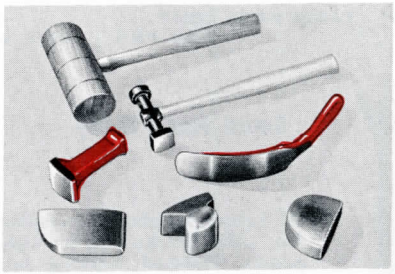
This set has been selected for the mechanic who is called upon to repair minor body damage in addition to his other work. Packed in substantial fibre carton.

CONTENTS

No.	Description	No.	Description
1552	Dinging Hammer	1559	Bead Dolly
1554	Hickory Mallet	1561	Curved Spoon
1555	Toe Dolly	1562	Flat Spoon
1556	Utility Dolly	1563	Fender Spoon
1558	Hand Dolly	1576	Flange Tool

NO. 1593 **10 PC. FENDER REPAIR SET**
STD. PKG. 1. PKG. WT. 18 LBS.

Service Station Set



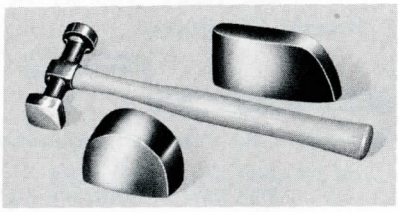
Extra business can be had at the service station equipped to take out simple bumps and dents. Packed in heavy fibre carton.

CONTENTS

No.	Description	No.	Description
1550	Bumping Hammer	1557	Hand Dolly
1554	Hickory Mallet	1560	Heel Dolly
1555	Toe Dolly	1561	Curved Spoon
1556	Utility Dolly		

NO. 1592 **7 PC. FENDER REPAIR SET**
STD. PKG. 1. PKG. WT. 13¾ LBS.

Utility Set



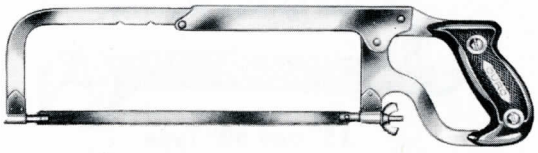
A car owner who is handy with tools would be a prospect for these three basic tools: Bumping hammer (1550), Toe Dolly (1555), and Heel Dolly (1560). In fibre carton.

NO. 1590 **UTILITY FENDER SET**
STD. PKG. 1. PKG. WT. 6 LBS.

DURO-CHROME

TOOLS OF PROGRESS

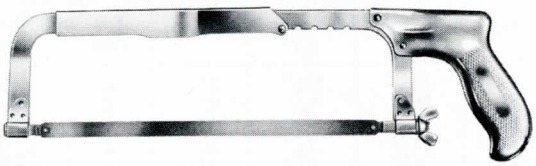
DeLuxe "Duro-Grip" Model



Comfortable plastic D-type handle affords safety grip and easy blade control. Frame is adjustable for blades from 8″ to 12″ long. Depth of cut 3⅜″. Fully plated. Furnished complete with blade. For the mechanic who wants the best.

NO. 9051 **DELUXE HACKSAW**
STD. PKG. 1. PKG. WT. 1¾ LBS.

All Metal Model



Rugged all metal frame with knurled metal pistol grip Adjustable from 8″ to 12″. Depth of cut 3″. This type is especially adaptable to hard service conditions. Brightly plated. Complete with blade.

NO. 9031 **ALL METAL HACKSAW**
STD. PKG. 1. PKG. WT. 1¼ LBS.

Hacksaw Blades

High quality hacksaw blades for all around general purpose work. Have 24 teeth per inch. Length 10″.

NO. 9012 **PACKAGE 1 DOZEN HACKSAW BLADES**
STD. PKG. 1. PKG. WT. ½ LB.

Master Senior Model

A substantial frame, especially desirable for cutting gas and oil lines, splitting bushings and work in restricted space. Will work in hole ⅝″ diameter. Uses 10″ standard Hacksaw blade and is 15″ overall. Brightly plated. Complete with blade.

NO. 9043 **MASTER HACKSAW**
STD. PKG. 4. PKG. WT. 2¾ LBS.

Leader Slim Model

A small, handy saw using 6″ blades, very rugged and for use on light work in limited amount of space. Works in hole ⅜″ diameter. Brightly plated. Complete with blade.

NO. 9040 **LEADER SLIM MODEL HACKSAW**
STD. PKG. 4. PKG. WT. 1 LB.

Leader Junior Model

Same construction as saw above except has offset for deeper cut. Complete with blade.

NO. 9041 **LEADER JUNIOR MODEL**
STD. PKG. 4. PKG. WT. 1 LB.

Blades for Junior-Slim Frames

Exceptional quality blades 6″ long, 32 teeth per inch. Properly tempered to give maximum service. For saws Nos. 9040 and 9041.

NO. 9006 **PACKAGE 1 DOZEN JUNIOR HACKSAW BLADES**
STD. PKG. 1. PKG. WT. ⅛ LB

Super Quality Forged Snips

STRAIGHT PATTERN

CIRCLE PATTERN

The mechanic who uses this type of tool appreciates and wants only the best. The six numbers listed below cover practically every requirement.

Drop forged from special analysis high carbon steel and carefully heat treated, these snips are exceedingly tough and will retain their cutting edge under hard and continuous use. Handle design permits operator to work either right or left handed. Jaws are polished and handles are painted a bright red.

Circle pattern snips permit cutting either inside or outside curves as well as straight cutting.

STRAIGHT PATTERN

No.	Length	Cutting Edge	Std. Pkg.	Pkg. Wt.
5407	7″	2″	1	½ lb.
5410	10″	2¾″	1	1 lb.
5412	12¾″	3″	1	1½ lbs.

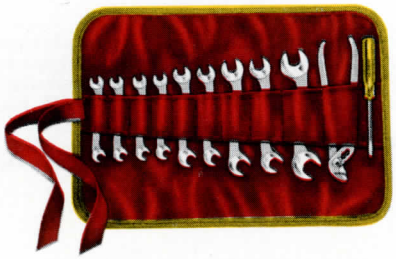
CIRCLE PATTERN

No.	Length	Cutting Edge	Std. Pkg.	Pkg. Wt.
5507	7″	1½″	1	½ lb.
5510	10″	2¼″	1	1 lb.
5512	12¾″	3″	1	1½ lbs.

TOOLS OF PROGRESS

DURO-CHROME

11 Piece Ignition Set



Every mechanic needs a complete set of ignition wrenches to properly service all makes of engines. Makes point changing and tune up work quicker and more profitable. Set includes forged steel wrenches 61 to 69 inclusive as well as No. 2110 Plier and No. 182 Screw Driver. In substantial plastic kit with each tool in an individual pocket.

NO. 1711 11 PIECE IGNITION SET
STD. PKG. 1. PKG. WT. ½ LB.

9 or 7 Piece Ignition Sets

Nine forged wrenches Nos. 61 to 69 inclusive in durable plastic kit.

NO. 1709 9 PIECE IGNITION SET
STD. PKG. 1. PKG. WT. ½ LB.

Same as above, but with 7 wrenches, Nos. 61 to 67 inclusive.

NO. 1707 7 PIECE IGNITION SET
STD. PKG. 1. PKG. WT. ¼ LB.

Ignition Plier

This plier is 5″ long, adjustable in four positions from closed jaws to an opening of 9/16″. An ideal tool for difficult to reach places on distributor heads, generators, switches, etc. Forged chrome alloy steel, brightly chrome plated.

NO. 2110 IGNITION PLIER
STD. PKG. 6. PKG. WT. ½ LB.

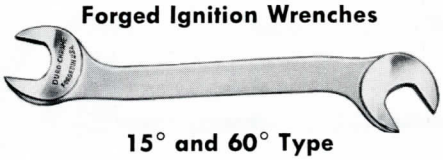
Midget Ignition Box Wrenches

Midgets in size, but just the tools for ignition, instrument panel and other work on small size nuts and bolts. Forged from chrome alloy steel, heads are small and set at 15° angle to handle. Openings are 12 point or double hex. Polished heads and panels, and brightly chrome plated. Length 3 7/8″.

NO. 2021 MIDGET BOX WRENCH—¼″ x 5/16″
STD. PKG. 6. PKG. WT. ¼ LB.

NO. 2022 MIDGET BOX WRENCH—9/32″ x 11/32″
STD. PKG. 6. PKG. WT. ¼ LB.

Forged Ignition Wrenches



15° and 60° Type

Strong, thin wrenches drop forged from high quality steel. Two sizes on each wrench with each size duplicated at a different angle on alternate wrenches. Accurately sized to turn small nuts in close quarters.

Used every day by mechanics working on ignition and electrical systems, radio and television, carburetors and other small devices.

Brightly chrome plated with polished heads.

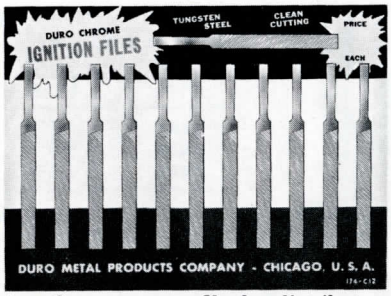
No.	Openings 15°	Openings 60°	Length	Std. Pkg.	Pkg. Wt.
61	13/64″	15/64″	3″	6	⅛ lb.
62	15/64″	13/64″	3″	6	⅛ lb.
63	7/32″	¼″	3″	6	⅛ lb.
64	¼″	7/32″	3″	6	⅛ lb.
65	9/32″	5/16″	3½″	6	¼ lb.
66	5/16″	9/32″	3½″	6	¼ lb.
67	11/32″	3/8″	4″	6	¼ lb.
68	3/8″	11/32″	4″	6	¼ lb.
69	7/16″	½″	4½″	6	½ lb.

8 Piece Set in Metal Box

Has 4 forged steel End Wrenches with openings of ¼″ x 7/32″, 13/64″ x 15/16″, 5/16″ x 9/32″, and 11/32″ x 3/8″. Contains in addition, a Chrome Alloy Steel Ignition Plier, Shock-Proof Ignition Screw Driver, Tungsten Ignition File, and Swedish Steel Feeler Gauge with blades .012, .015, .018, .020 and .025″. Attractively packed in substantial enameled metal box.

NO. 289 8 PIECE IGNITION SET
STD. PKG. 1. PKG. WT. 1 LB.

Card of 12 Tungsten Ignition Files



Clean cutting, fine, tungsten file for distributor and other electrical contacts. One dozen mounted on attractive three color card merchandiser.

NO. 174-C12 CARD OF 12 IGNITION FILES
STD. PKG. 1. PKG. WT. ¼ LB.

DURO-CHROME

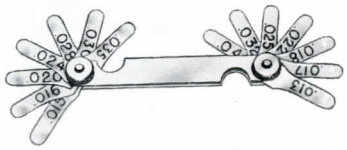
TOOLS OF PROGRESS

SWEDISH STEEL

Every Duro-Chrome feeler gauge is made of the finest grade Swedish Steel famous for a long life of extreme accuracy. Blades are ground to size, hardened, and tempered to withstand hard use without change in dimension.
Each gauge has size clearly marked and can be instantly locked in working position by means of a thumb nut.

Clearances measured by means of feeler gauges are vital to the performance of engines, fuel and ignition systems, brakes and transmissions of cars, trucks, busses, tractors, airplanes, trains and installations using gas or diesel power.
Use the right gauge for the job. A Duro-Chrome Feeler Gauge will be found ideal for every purpose.

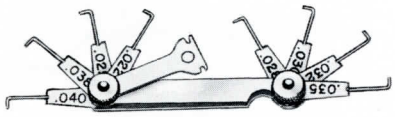
Ignition Gauge



Gauge consists of 14 blades 1½″ long x ¼″ wide tapered, and is used very extensively in the adjustment of distributor breaker points on all cars, trucks, etc. Can also be used to set the gap on new spark plugs. Blade sizes:
.013 .015 .016 .017 .018 .020 .022 .024 .025 .028 .030 .032 .035 .040

NO. 214 IGNITION FEELER GAUGE STD. PKG. 6. PKG. WT. ¾ LB.

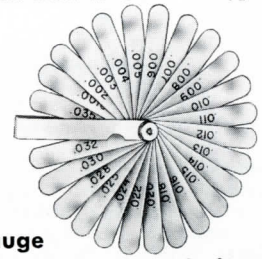
Spark Plug Gauge



The correct way to measure the gap between spark plug electrodes, especially those that have seen service, is with a wire gauge. Accurately spaces gaps worn concave. Wire gauge has bent end for those plugs having recessed electrodes. Has handy electrode bender for setting side electrodes to proper gap. 8 sizes to fit specifications for all modern engines.
Sizes: .022 .025 .028 .030 .032 .035 .038 .040

NO. 208 SPARK PLUG FEELER GAUGE STD. PKG. 6. PKG. WT. ½ LB.

Master Feeler Gauge

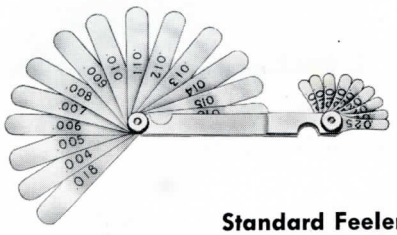


The Master Feeler Gauge is a necessity around any automotive repair shop or manufacturing plant. This gauge offers a complete range of sizes from .0015″ to .035″ with 25 blades 3¼″ long x ½″ wide. Like all Duro-Chrome Feeler Gauges, it is equipped with a thumb locking nut.

Sizes:								
.0015	.004	.007	.010	.013	.016	.022	.028	.032
.002	.005	.008	.011	.014	.018	.024	.030	.035
.003	.006	.009	.012	.015	.020	.025		

NO. 225 MASTER FEELER GAUGE STD. PKG. 6. PKG. WT. 1½ LBS.

General Purpose Gauge

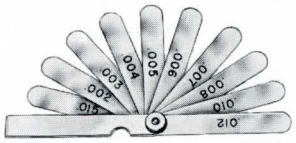


A combination gauge for both ignition and tappet work. One end of gauge has 14 blades 3¼″ long x ½″ wide used for tappet and valve work. The other end has 9 blades 1½″ long x ¼″ wide tapered, for breaker point and new spark plug adjustments. Short blades can also be used to set carburetors and other adjustments confined to small working space.

Long Blade sizes							Short Blade sizes				
.004	.006	.008	.010	.012	.014	.016	.013	.016	.018	.022	.025
.005	.007	.009	.011	.013	.015	.018	.015	.017	.020	.024	

NO. 217 GENERAL PURPOSE FEELER GAUGE STD. PKG. 6. PKG. WT. 1 LB.

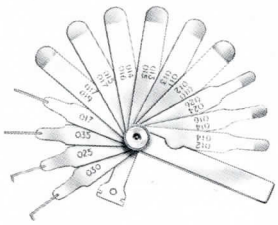
Standard Feeler Gauge



This Gauge has 10 blades 3¼″ long x ½″ wide in popular thicknesses for piston ring clearances, valve clearances, brake shoe clearance and distributor breaker point opening.
Sizes: .002 .003 .004 .005 .006 .007 .008 .010 .012 .015

NO. 210 STANDARD FEELER GAUGE STD. PKG. 6. PKG. WT. ½ LB.

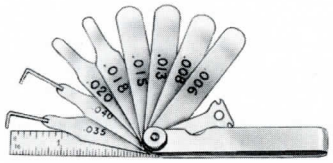
Ford Feeler Gauge



For the mechanic working on Ford cars this gauge will be found most convenient. Has 2 bent wire gauges .025 and .030 for spark plug gaps, and two straight wire gauges .017 and .035 for voltage regulator and cut out adjustments. There are 3 blades 3¼″ long x ¼″ wide tapered, ground with a step of .002″ for a "Go" and "No Go" effect, sizes: .012/.014, .014/.016, .024/.026 for breaker points. Also 6 blades 3¼″ x ½″ ground with "Go" and "No Go" feature in sizes .010/.012, .011/.013, .013/.015, .014/.016, .015/.017, and .017/.019 for valve setting. Handy spark plug electrode bender included. STD. PKG. 6. PKG. WT. 1 LB.

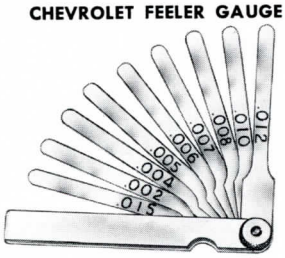
NO. 215 FORD FEELER GAUGE

Chevrolet Feeler Gauge



Especially designed for use on Chevrolet cars. Has two wire gauges .035 and .040 and an electrode bender for gapping spark plugs; 2 blades 3¼″ x ¼″ tapered, sizes .018 and .020 for breaker points; 4 blades 3¼″ x ½″, sizes .006, .008, .013 and .015 for valve adjustments. Also has 3″ steel scale for carburetor float measurement.

NO. 216 CHEVROLET FEELER GAUGE STD. PKG. 6. PKG. WT. 1 LB.



Brake Service Feeler Gauge

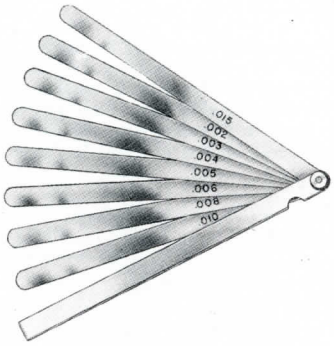
A correctly designed gauge with 9 blades 4″ long, narrowed down to ¼″ width for accurate setting of brake clearances. The narrow blades allow the proper setting which wider blades do not permit. Will check fits of Master and Wheel pistons to cylinder as well. For Bendix, Lockheed, Timken, Wagner and other brakes on passenger cars, trucks and busses. Every mechanic needs one of these gauges in his kit.
Sizes: .002 .004 .005 .006 .007 .008 .010 .012 .015

NO. 221 BRAKE SERVICE FEELER GAUGE STD. PKG. 6. PKG. WT. ½ LB.

TOOLS OF PROGRESS

DURO-CHROME

SWEDISH STEEL

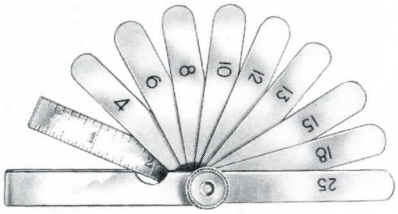


Piston Feeler Gauge

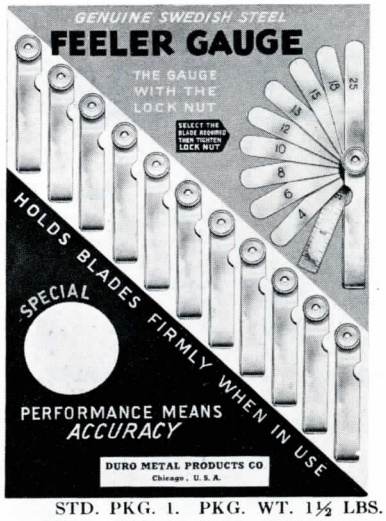
This 8 blade Feeler Gauge, made from Swedish Steel, is especially adapted to fitting pistons. Practically every recommended clearance is contained in this Gauge or can be made up from a combination of two of the blades. Also used to check air gaps in electric motors. The blades are 9 inches long and the locking thumb nut allows the locking of any Gauge in using position. The following thickness blades are included:

.002 .003 .004 .005 .006 .008 .010 .015

NO. 207 PISTON FEELER GAUGE
STD. PKG. 6. PKG. WT. 1¼ LBS.



ALL PURPOSE FEELER GAUGES ON DISPLAY CARD



A quality Feeler Gauge in every respect, mounted 12 on attractive three color display merchandiser 15″ high x 10½″ wide as illustrated. Genuine Swedish Steel is used in the nine Thickness Gauges ranging from .004 to .025 together with 3″ Scale making ten Blades in all. Each gauge is in a transparent envelope protecting it from tarnishing. Beside accuracy the outstanding feature of these gauges is the locking nut which holds any blade firmly when in use. Blades as follows:

.004 .006 .008 .010 .012 .013 .015 .018 .025 3″ Scale

NO. 166-C12 DISPLAY OF 12 FEELER GAUGES
STD. PKG. 1. PKG. WT. 1½ LBS.

NO. 166 FEELER GAUGE
STD. PKG. 6. PKG. WT. ½ LB.

Replacement Blades for Feeler Gauges

No.	Thickness	No.	Thickness
204A	.0015	**204N**	.014
204B	.002	**204P**	.015
204C	.003	**204Q**	.016
204D	.004	**204R**	.018
204E	.005	**204S**	.020
204F	.006	**204T**	.022
204G	.007	**204U**	.024
204H	.008	**204V**	.025
204HH	.009	**204W**	.028
204J	.010	**204X**	.030
204K	.011	**204Y**	.032
204L	.012	**204Z**	.035
204M	.013		

For those desiring to replace worn out or broken Feeler Gauges, these standard 3¼″ length Replacement Blades with hole in end are offered in the thicknesses shown. Packed 6 of one size to an envelope.

NOS. 204A to 204Z REPLACEMENT BLADE
STD. PKG. 6. PKG. WT. 1 OZ.

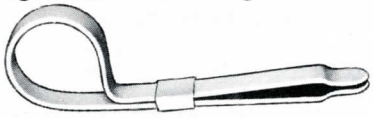
Feeler Gauge Stock

No.	Thickness	No.	Thickness	No.	Thickness
205A	.0015	**205F**	.006	**205R**	.018
205B	.002	**205H**	.008	**205U**	.024
205C	.003	**205J**	.010	**205V**	.025
205D	.004	**205M**	.013	**205Y**	.032
205E	.005	**205P**	.015	**205Z**	.035

Genuine Swedish Steel, accurately sized and scientifically hardened. Length 12″. Packed 6 of one size to an envelope.

NO. 205A to 205Z FEELER GAUGE STOCK
STD. PKG. 6. PKG. WT. 1 OZ.

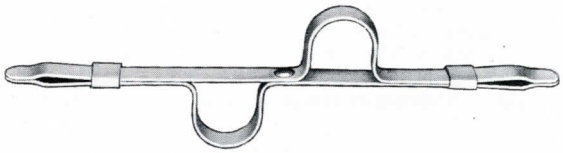
Single End Feeler Gauge Holder



Will hold any size of 12″ feeler gauge stock and has same construction as the Double End Holder.

NO. 231 SINGLE END HOLDER
STD. PKG. 6. PKG. WT. ½ LB.

Double End Feeler Gauge Holder



Any 12″ length of thickness gauge stock listed above, coils easily within this Double End Holder and the protruding end is firmly held by positive lock. Handy for the mechanic who subjects one or two size gauges to frequent and hard use. Heavily plated.

NO. 232 DOUBLE END HOLDER
STD. PKG. 6. PKG. WT. 1¼ LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

DOUBLE END FLARE NUT WRENCHES

Designed especially for use on flare nuts on gas, oil, hydraulic, pneumatic, as well as refrigerant, lines on cars, trucks, aircraft and refrigeration units. Useful for work on power operated car windows and convertible tops.
The combination of the wide face and the 6 or 12 point openings that grip the nut on five sides for even nut turning strain avoids distortion or crushing of union nuts, preventing leakage. The opening on both the straight and the offset pattern are offset 10°. When working in extremely close quarters it permits an extra bite in nut turning by turning wrench over. Made of Chrome Alloy Steel and scientifically hardened. Polished and chrome plated.

Straight Pattern

6 Point

NO. 368 **Openings 3/8" x 7/16"—Length 6 1/4"** STD. PKG. 6. PKG. WT. 3/4 LB.

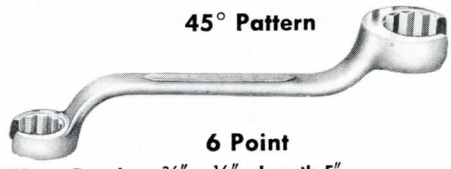
NO. 369 **Openings 1/2" x 9/16"—Length 7 1/4"** STD. PKG. 6. PKG. WT. 1 3/4 LBS.

12 Point

NO. 371 **Openings 3/4" x 1"—Length 8"** STD. PKG. 6. PKG. WT. 2 3/4 LBS.

NO. 372 **Openings 7/8" x 1 1/8"—Length 9 1/2"** STD. PKG. 6. PKG. WT. 4 1/2 LBS.

45° Pattern



6 Point

NO. 379 **Openings 3/8" x 1/2"—Length 5"** STD. PKG. 6. PKG. WT. 3/4 LB.

NO. 380 **Openings 7/16" x 9/16"—Length 5 7/8"** STD. PKG. 6. PKG. WT. 1 1/4 LBS.

12 Point

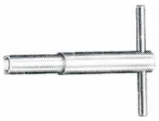
NO. 381 **Openings 5/8" x 13/16"—Length 6 3/4"** STD. PKG. 6. PKG. WT. 2 LBS.

NO. 382 **Openings 3/4" x 1"—Length 7 3/4"** STD. PKG. 6. PKG. WT. 3 LBS.

NO. 383 **Openings 7/8" x 1 1/8"—Length 9"** STD. PKG. 6. PKG. WT. 4 1/2 LBS.

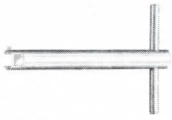
NO. 384 **Openings 1" x 1 3/16"—Length 9 1/2"** STD. PKG. 6. PKG. WT. 5 1/2 LBS.

Carburetor Jet Wrenches



Designed especially for fast and easy work on Stromberg Carburetors.

NO. 284 **JET WRENCH FOR STROMBERG CARBURETORS** STD. PKG. 6. PKG. WT. 1/2 LB.



Designed especially for fast easy work on Chandler-Grove Carburetors.

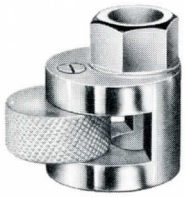
NO. 298 **JET WRENCH FOR CHANDLER-GROVE CARBURETORS** STD. PKG. 3. PKG. WT. 1/4 LB.

Tension Indicating Wrenches

A Duro-Chrome Tension Indicating Wrench is available for practically every purpose. Select a Duro-Chrome Tension Indicating Wrench in the size your work requires: 1/4", 3/8", 1/2" and 3/4" square drive. Each tool is precision made for permanent accuracy. Designed without any delicate parts for long life and satisfactory service. A chart is packed with each wrench having the manufacturer's torque recommendations for cars and trucks. See page 17 for complete information on Tension Indicating Wrenches.

No.	Drive	Range	Length	Std. Pkg.	Pkg Wt.
8099 1/4	1/4"	120 In. Lbs.	9"	1	1/2 lb.
8099 3/8	3/8"	50 Ft. Lbs.	13"	1	3/4 lb.
8099 1/2	1/2"	100 Ft. Lbs.	18"	1	1 3/4 lbs.
8099 1/2 H	1/2"	150 Ft. Lbs.	18"	1	2 lbs.
8099 3/4	3/4"	300 Ft. Lbs.	30"	1	5 1/2 lbs.

Stud Setter and Extractor

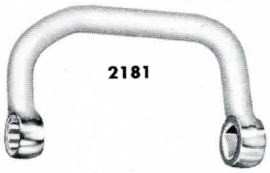


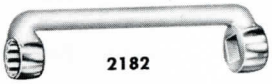
Will set or remove 5/16" to 9/16" diameter studs without bending. Has a cam action with a knurled gripping wheel on which a powerful turning effort can be exerted. Releases instantly. Built in one unit for convenience in working. Turning action can be made with any 15/16" hexagon socket or box wrench. Polished and chrome plated.

NO. 250 **STUD WRENCH** STD. PKG. 1. PKG. WT. 3/4 LB.

NO. 250R **REPLACEMENT ROLLER, ONLY** STD. PKG. 1. PKG. WT. 1/4 LB.

Wide and Close Sweeps





Especially designed for use with 1/2" square drive tension wrench on valve-in-head engines to clear rocker arms. Polished and chrome plated.

No.	Description	Std. Pkg.	Pkg. Wt.
2181	5/8" Wide Sweep 12 Pt.	2	1 1/4 lbs.
2182	5/8" Close Sweep 12 Pt.	2	1 lb.
2183	3/4" Wide Sweep 12 Pt.	2	1 1/4 lbs.
2184	3/4" Close Sweep 12 Pt.	2	1 lb.

Over-Head Valve Tappet Tool

For adjusting tappets on overhead valve while the motor is running.
Designed with an easy operating spring within the handle. The blade follows the up and down motion of the tappet, leaving the mechanic's hand perfectly steady to make the necessary adjustments. The two end prongs at the tip of the blade keep the blade from slipping out of the adjustment slots. Blade forged. Chrome Alloy Steel scientifically hardened. Polished and chrome plated. DuroLite shockproof handle.

NO. 709 **OVERHEAD VALVE TAPPET TOOL** STD. PKG. 6. PKG. WT. 1 1/4 LBS.

TOOLS OF PROGRESS

DURO-CHROME

Piston Ring Compressor

With a range from 2⅛″ to 5″ diameter and band depth of 2⅛″ this ring compressor will fit practically all cars except those having a ring on the lower skirt.

Easily adjusted over full range. Extra heavy spring steel tension band held firmly in place by automatic friction brakes.

NO. 785 **PISTON RING COMPRESSOR**
STD. PKG. 1. PKG. WT. ½ LB.

NO. 785B **REPLACEMENT TENSION BAND FOR ABOVE**
STD. PKG. 1. PKG. WT. ⅛ LB.

"Twin Band" Ratchet Type Ring Compressor

The two sizes listed below give a range from 2⅛″ to 7″ diameter for cars, trucks, diesels, etc. Compressor band is 3½″ in depth and will accommodate those pistons having a ring below the piston pin.

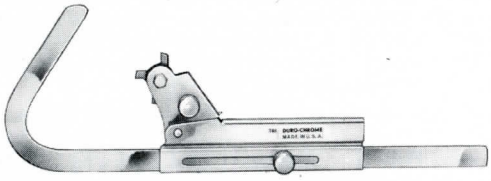
Has self-locking, heavy duty ratchet pawl with hardened teeth. The "Twin Band" eliminates flare out when ring leaves compressor and gives double strength as well as compressing rings tightly.

NO. 790 **PISTON RING COMPRESSOR—2⅛″ to 5″ Diameter**
STD. PKG. 1. PKG. WT. ¾ LB.

NO. 790T **PISTON RING COMPRESSOR—3½″ to 7″ Diameter**
STD. PKG. 1. PKG. WT. ¾ LB.

NO. 790B **REPLACEMENT TENSION BAND FOR ABOVE, EACH**
STD. PKG. 1. PKG. WT. ⅛ LB.

De Luxe Piston Groove Cleaner

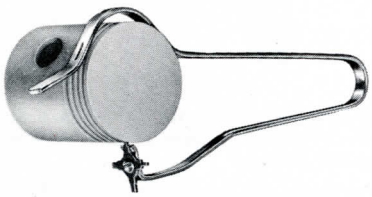


At last, a Piston Groove Cleaner that does not chatter, is convenient to use, easily adjusted and does the job quickly in a workmanlike manner. Four cutter blades 3/32″, ⅛″, 5/32″ and 3/16″ wide. Will not gouge, catch in oil holes or climb out of grooves. Constant pressure is applied by compensating spring.

NO. 786 **DELUXE PISTON GROOVE CLEANER**
STD. PKG. 1. PKG. WT. ½ LB.

NO. 786B **REPLACEMENT BLADE FOR ABOVE**
STD. PKG. 4. PKG. WT. ⅛ LB.

Piston Ring Groove Cleaner



An inexpensive Piston Groove Cleaner that will fit practically any size piston. Simple to operate, nothing to adjust. Four cutting blades 3/32″, ⅛″, 5/32″, and 3/16″ wide.

NO. 787 **PISTON GROOVE CLEANER**
STD. PKG. 6. PKG. WT. 2¾ LBS.

NO. 787B **REPLACEMENT BLADE FOR ABOVE**
STD. PKG. 6. PKG. WT. ⅛ LB.

The beads on the bottom prevent the tool from entering the cylinder.

The closeness and firmness with which this tool compresses the rings prevents flaring and breakage of rings when entering cylinder.

Truck-Tractor-Diesel Ring Compressor

Compressor band is 6½″ in depth with a capacity from 3½″ to 7″ diameter. Has four tension bands and ratchet type tension holding device.

For those pistons where extreme distance from top ring to skirt ring is more than 3½″.

NO. 790S **HEAVY DUTY PISTON RING COMPRESSOR**
STD. PKG. 1. PKG. WT. 1¾ LBS.

NO. 790B **REPLACEMENT TENSION BAND FOR NOS. 790,790S, and 790T, EACH**
STD. PKG. 1. PKG. WT. ⅛ LB.

Piston Ring Skid

Avoid piston ring breakage and reduce installation time. This inexpensive tool is made of light gauge spring steel. A necessity for installing piston rings.

NO. 159 **PISTON RING SKID**
STD. PKG. 12. PKG. WT. ¼ LB.

Carbon Scraper

A husky efficient tool that offers exceptional utility as well as value. Ten tempered spring steel blades are controlled by simple slide to adjust the rigidity. Makes cleaning of cylinder heads, blocks, valve parts, etc., an easy job.

NO. 791 **CARBON SCRAPER**
STD. PKG. 6. PKG. WT. 1¾ LBS.

Scraping Tool

Designed for removing gaskets, paint and general all around service.

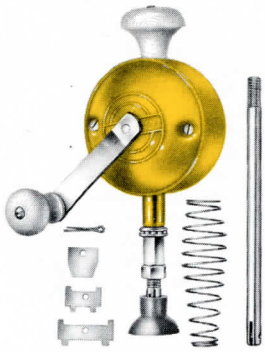
Has forged Chrome Alloy Steel blade with polished 1″ scraping face. Blade is securely fastened in Duro Lite handle.

NO. 1998 **DURO LITE SCRAPING TOOL**
STD. PKG. 6. PKG. WT. 1¾ LBS.

DURO-CHROME

TOOLS OF PROGRESS

Advancing-Reciprocating Valve Grinder



This ball bearing Valve Grinder not only reciprocates when the handle is turned, but also advances with a progressive action. Special spring for under valve assures correct pressure. A sturdy tool with hardened gears, ball bearing thrust and heavy drawn case finished in attractive baked enamel. Complete as illustrated.

NO. 808 **VALVE GRINDER COMPLETE**
STD. PKG. 1. PKG. WT. 1¼ LBS.

Replacement Parts

NO. 807 **VALVE GRINDING SPRING, ONLY**
STD. PKG. 36. PKG. WT. 1 LB.

NO. 710 **RUBBER VACUUM CUP, ONLY**
STD. PKG. 12. PKG. WT. ¼ LB.

Ford Valve Guide and Spring

This ingenious device solves the problem of a valve guide as well as relief spring when grinding valves on Ford cars. One style is for models "A" and "B" while other style is for all "V8's" except "V8-60".

NO. 200-AB **GUIDE FOR FORD "A" AND "B"**
STD. PKG. 1. PKG. WT. ⅛ LB.

NO. 200-V8 **GUIDE FOR FORD "V8" EXCEPT "V8-60"**
STD. PKG. 1. PKG. WT. ¼ LB.

Valve Bushing Punch

Designed for driving out valve stem bushings on Ford cars. Offset fits around valve head. Made of special analysis steel, hardened and tempered.

NO. 270-AB **VALVE BUSHING PUNCH**
Ford "A" and "B"
STD. PKG. 6. PKG. WT. 2¾ LBS.

NO. 270-V8 **VALVE BUSHING PUNCH**
Ford V8 except "85" and "60"
STD. PKG. 6. PKG. WT. 2½ LBS.

NO. 270-85 **VALVE BUSHING PUNCH**
Ford V8-85
STD. PKG. 6. PKG. WT. 2½ LBS.

Ford "V8" Valve Tool

A forged tool especially designed for compressing Ford "V8" valve springs to enable removing or inserting spring retainer. Length 20½".

NO. 2192 **FORD V8 VALVE TOOL**
STD. PKG. 4. PKG. WT. 7¼ LBS.

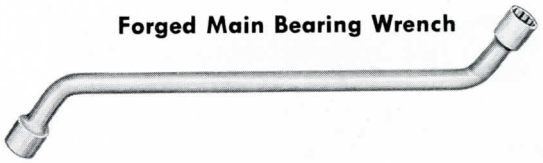
Piston Pin Tools

Make the work of removing or installing Ford Piston Pins easy with these tools. Accurately sized, hardened and ground.

NO. 276-AB **PISTON PIN TOOL—Ford "A" and "B"**
STD. PKG. 1. PKG. WT. 1½ LBS.

NO. 276-V8 **PISTON PIN TOOL—Ford "V8" except "V8-60"**
STD. PKG. 1. PKG. WT. ¾ LB.

Forged Main Bearing Wrench



For the important job of pulling up main bearings these wrenches have just the right angle to the heads. Sockets are forged integral with handle. Heavily plated. Length 16".

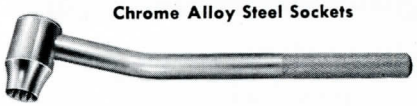
NO. 881 **MAIN BEARING WRENCH**
11/16" and ¾" 12 Point Openings
STD. PKG. 4. PKG. WT. 6 LBS.

NO. 882 **MAIN BEARING WRENCH**
⅝" and ¾" 12 Point Openings
STD. PKG. 4. PKG. WT. 6 LBS.

NO. 883 **MAIN BEARING WRENCH**
9/16" 8 Point and ¾" 12 Point Openings
STD. PKG. 4. PKG. WT. 6 LBS.

Connecting Rod Wrenches

Chrome Alloy Steel Sockets



The nose of the sockets have been tapered down especially thin (smaller than good engineering design permits) to fit into the restricted space found around connecting rod bolts on "V8" Fords and some models of Cadillacs and LaSalles. Although made of best Chrome Alloy Steel, Nos. 610 and 617 are not guaranteed.

NO. 610 **7/16" CONNECTING ROD WRENCH**
STD. PKG. 6. PKG. WT. 5 LBS.

NO. 617 **9/16" CONNECTING ROD WRENCH**
STD. PKG. 6. PKG. WT. 5¼ LBS.

NO. 615 **21/32" CONNECTING ROD WRENCH**
STD. PKG. 6. PKG. WT. 5¼ LBS.

Connecting Rod Sockets

½" Square Drive For "V8" Fords

On account of the restricted space into which they must fit, the nose of the sockets have been made thinner than good engineering design permits. Although made of the best Chrome Alloy Steel they cannot be guaranteed. Highly polished and brightly chrome plated.

NO. 1618V8X **9/16" 6 POINT SOCKET**
STD. PKG. 6. PKG. WT. 1 LB.

NO. 1618V8XX **9/16" 12 POINT SOCKET**
STD. PKG. 6. PKG. WT. 1 LB.

T Handle Wrench

For oil pan bolts on "V8" Fords and many others. Extra light for fast work. Forged socket, ½" hexagon. Brightly plated.

NO. 516L **T HANDLE WRENCH**
STD. PKG. 6. PKG. WT. 5½ LBS.

TOOLS OF PROGRESS

DURO-CHROME

SELECT STEEL

Double End Truck Rim Wrenches

Constructed for heavy duty service. Forged from Select Steel and finished in bright red baked enamel. Socket on one end of Nos. 452 and 453 is double broached forming two different sized openings while the other end is a single opening, or three sizes on each wrench. Use No. 447 Cross Bar for a lever or one of the other Combination Handle and Wrench.

No. 453 has 1⅛″ Hex. and 13/16″ Square openings on one end and 1½″ Hex. opening on other end. Length 16″. Fits Ford Dual Wheels, Budd Wheels, also Dodge and many others.

NO. 453 DOUBLE END WRENCH—1⅛″ Hex. x 13/16″ Square x 1½″ Hex.
STD. PKG. 1. PKG. WT. 4¾ LBS.

No. 452 has ⅞″ Hex. and ⅝″ Square openings on one end and 1¼″ Hex. opening on other end. Length 16″. Fits Chevrolet Dual Wheels, Mack, and many others.

NO. 452 DOUBLE END WRENCH—⅞″ Hex. x ⅝″ Square x 1¼″ Hex.
STD. PKG. 1. PKG. WT. 4¼ LBS.

No. 457 has ⅞″ and 15/16″ Hex. openings. Length 16″. A new wrench for Chevrolet, ⅞″ opening for use on light series trucks and 15/16″ opening for heavy series trucks 1946 and later.

NO. 457 DOUBLE END WRENCH—⅞″ and 15/16″ Hex.
STD. PKG. 1. PKG. WT. 3¾ LBS.

No. 449 has ⅞″ and 1 1/16″ Hex. openings. Length 16″. For International trucks, Federal, Mack, Studebaker, Diamond T, etc.

NO. 449 DOUBLE END WRENCH—⅞″ and 1 1/16″ Hex.
STD. PKG. 1. PKG. WT. 3¾ LBS.

Cross Bar

This hexagon bar 20″ long fits Wrenches Nos. 449, 452, 453, and 457 above. Provides adequate leverage for toughest nuts.

NO. 447 CROSS BAR
STD. PKG. 1. PKG. WT. 2¾ LBS.

Combination Handle and Wrench

No. 448 has single socket 13/16″ Hex. forged on a hexagon bar 20″ long. Socket fits Reo, Federal, G.M.C., etc. Used with any of the Double End Wrenches above.

NO. 448 COMBINATION HANDLE AND WRENCH—13/16″ Hex.
STD. PKG. 1. PKG. WT. 3 LBS.

Combination Handle and Wrench

No. 451 has single socket 1 1/16″ Hex. forged on hexagon bar 20″ long. Socket fits Fruehauf trailers and others. Used with any of the Double End Wrenches above.

NO. 451 COMBINATION HANDLE AND WRENCH—1 1/16″ Hex.
STD. PKG. 1. PKG. WT. 3 LBS.

Heavy Duty Truck Cross Rim Wrench

A real service tool for trucks. Will loosen and "spin off" wheel nuts on most popular trucks. Length of wrench is 24″ affording ample leverage and permitting use of two hands. In the combination of sockets will be found those that fit most popular trucks. The six sizes are ⅞″, 1⅛″, 1¼″, 1½″ Hexagon, ⅝″ and 13/16″ Square. The wrench is forged, heat treated and finished in baked red enamel.

NO. 455 HEAVY DUTY TRUCK CROSS RIM WRENCH
STD. PKG. 1. PKG. WT. 14 LBS.

Extra Long Type 4-Way Rim Wrench

This wrench is designed to serve most of the very latest cars with wide fenders as well as most older models. Provides clearance for spinning the wrench. Openings are ⅝″, ¾″, 13/16″ and ⅞″ Hexagon. Length 17″. Forged sockets for extra strength. Finished in red baked enamel.

NO. 635 CROSS RIM WRENCH
STD. PKG. 24. PKG. WT. 80 LBS.

Rim Wrenches

Crank type, single end rim wrenches. Sockets are forged extra deep. Overall length 15½″. Handy for the car owner or for use on equipment where only one size of nut is encountered.

No.	Hex. Size	Std. Pkg.	Pkg. Wt.
626	¾″	6	7¾ lbs.
627	⅝″	6	7¾ lbs.
628	1 1/16″	6	7¾ lbs.
629	13/16″	6	7¾ lbs.
630	⅞″	6	7¾ lbs.

Set for Service Stations

One each Nos. 451, 452 and 453. Will fit almost all trucks.

NO. 450 SERVICE STATION SET
STD. PKG. 1. PKG. WT. 16 LBS.

Set for Ford Trucks

A combination of numbers 447 and 453 giving a Slide Bar as well as a Wrench with openings 1⅛″ and 1½″ hexagon together with 13/16″ square.

NO. 450-F SET FOR FORD TRUCKS
STD. PKG. 1. PKG. WT. 7½ LBS.

Set for Chevrolet Trucks

A combination of numbers 447 and 452 giving a Slide Bar as well as a Wrench with openings ⅞″ and 1¼″ hexagon together with ⅝″ square. For all Chevrolet Dual Wheels.

NO. 450-C SET FOR CHEVROLET TRUCKS
STD. PKG. 1. PKG. WT. 7 LBS.

Set for International Trucks

A combination of numbers 447 and 449 giving a Slide Bar as well as a Wrench with openings ⅞″ and 1 1/16″ hexagon.

NO. 450-IN SET FOR INTERNATIONAL TRUCKS
STD. PKG. 1. PKG. WT. 6½ LBS.

DURO-CHROME

SELECT STEEL

TOOLS OF PROGRESS

Curved Spoon Type Tire Iron

The broad blades avoid damage and bruises to tire. Furnished in both 18″ and 23″ lengths for passenger cars and trucks. Forged, heat treated, and finished in red baked enamel.

NO. 1758 **18″ CURVED SPOON TYPE TIRE IRON** STD. PKG. 1. PKG. WT. 2¼ LBS.

NO. 1759 **23″ CURVED SPOON TYPE TIRE IRON** STD. PKG. 1. PKG. WT. 2¾ LBS.

Flat Spoon Type Tire Iron

This type of iron is similar to those shown above and, when used together, make a very desirable combination for removing and replacing tires. Forged blade, heat treated, and finished in red baked enamel.

NO. 1756 **18″ FLAT TYPE TIRE IRON** STD. PKG. 1. PKG. WT. 2 LBS.

NO. 1757 **23″ FLAT TYPE TIRE IRON** STD. PKG. 1. PKG. WT. 2¾ LBS.

Tire Ring Tool

Two popular lengths of tools for removing and replacing lock rings on various types of rims. Forged, heat treated, and finished in red baked enamel.

NO. 1761 **15″ TIRE RING TOOL** STD. PKG. 1. PKG. WT. 1½ LBS

NO. 1755 **20″ TIRE RING TOOL** STD. PKG. 1. PKG. WT. 2 LBS.

Rim and Tire Tool

Combination tire iron and tool for removing or replacing lock rings. Has broader blade than ring tools above. Length 15½″. Forged, heat treated, and finished in red baked enamel.

NO. 1760 **RIM AND TIRE TOOL** STD. PKG. 1. PKG. WT. 1½ LBS.

Utility Wire Brushes

Stiff wire bristle brushes for rim, tire and general use. Length 14″ overall. Curved handle has 6¼″ of bristles.

NO. 851 **3 ROW BRUSH** STD. PKG. 6. PKG. WT. 2½ LBS.

NO. 852 **4 ROW BRUSH** STD. PKG. 6. PKG. WT. 3 LBS.

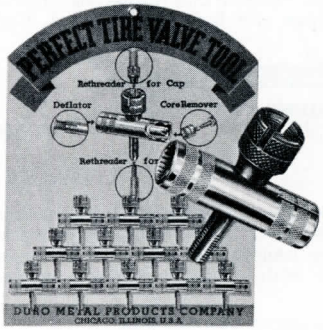
Tire Hammer

Just the tool for changing tires which are rusted to the rim. Overall length 13″. Weight 3½ lbs.

NO. 1518 **TIRE HAMMER** STD. PKG. 2. PKG. WT. 7½ LBS.

NO. 1518H **REPLACEMENT HANDLE ONLY** STD. PKG. 6. PKG. WT. 2½ LBS.

Perfect Tire Valve Tool

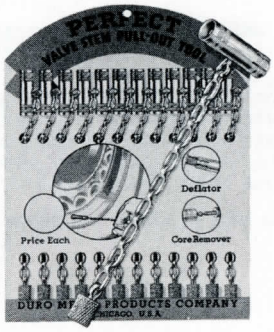


A substantial four-in-one tool for removing and replacing tire valve cores, deflating tires, rethreading the inside and outside of the valve stem. The core remover has a very convenient guide which slips over the valve stem, while the deflator end of tool will clamp on the stem to release the air. The rethreaders are made from high grade, tempered steel. 12 on display card.

NO. 780-C12 **CARD OF 12 PERFECT TIRE VALVE TOOLS** STD. PKG. 1. PKG. WT. 1 LB.

NO. 780 **PERFECT TIRE VALVE TOOL** STD. PKG. 6. PKG. WT. ½ LB.

Tire Valve Pull-Out Tool

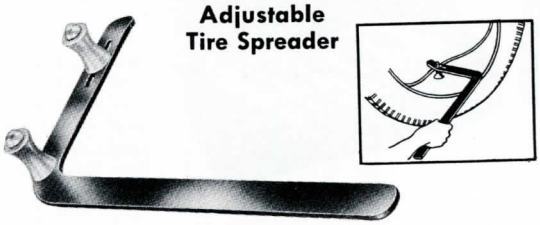


This three-in-one tool combines the features of a Tire Valve Pull-Out Tool and a Tire Deflator as well as Valve Core Remover. By threading the cap and chain through the valve hole in the rim and fastening the cap to the valve stem before inflating the tube, the valve stem is easily pulled into proper position. 12 tools on attractive display card.

NO. 778-C12 **CARD OF 12 TIRE VALVE PULL-OUT TOOLS** STD. PKG. 1. PKG. WT. 1 LB.

NO. 778 **TIRE VALVE PULL-OUT TOOL** STD. PKG. 6. PKG. WT. ½ LB.

Adjustable Tire Spreader



A popular tool that is a necessity with every tire repair man. Grooved revolving rollers allow full inspection of casing without removing tool. Adjusts from 5½″ to 7½″. Black enameled finish; 18″ long.

NO. 1751 **ADJUSTABLE TIRE SPREADER** STD. PKG. 1. PKG. WT. 3½ LBS.

Rubber Mallet

For mounting tires. Will not mar or injure rims or tires. Weight 1½ LBS.

NO. 1538 **24 OZ. MALLET** STD. PKG. 4. PKG. WT. 6¾ LBS.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

STAR NUT BRAKE ADJUSTING TOOLS

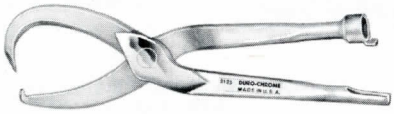
To speedily and conveniently adjust Bendix, Huck and other brakes on cars and trucks. Every Service Station, Garage or Mechanic should have these two tools as each has its advantages under certain conditions in clearing obstructions such as springs and body suspensions. Each tool is notched at both ends to prevent slipping off of star nut. Drop forged from Chrome Alloy Steel for extra strength, the blades are thin but sufficiently wide for good contact. Scientifically hardened. Polished and Chrome plated.

NO. 2161 BRAKE ADJUSTING TOOL—Length 7½″
STD. PKG, 6. PKG. WT. 1¼ LBS.

NO. 2162 BRAKE ADJUSTING TOOL—Length 6″
STD. PKG. 6. PKG. WT. 1 LB.

BRAKE SPRING PLIERS

Makes an easy job of removing and applying brake springs. Pointed jaw holds in lined shoe while hook draws spring into position. End of one handle has cam which releases spring from anchor post with a simple turning motion.



NO. 2125 8½″ BRAKE SPRING PLIER
STD. PKG. 3. PKG. WT. 1½ LBS.

Other handle for replacing springs, is grooved to slip spring over anchor post. Drop Forged from Chrome Alloy Steel and hardened. Brightly Chrome plated. Sturdily built to handle the strongest springs.

NO. 2126 13½″ BRAKE SPRING PLIER
STD. PKG. 3. PKG. WT. 3¾ LBS.

Link Separator for Ford Shock Absorbers

For removing without damaging links on Ford shock absorbers. The tapered jaw wedges between the link and stud and the parts are speedily separated with a few sharp blows of a hammer. Length 16″. Drop Forged from Chrome Alloy Steel. Scientifically hardened. Polished and Chrome Plated.

NO. 279 SHOCK ABSORBER LINK TOOL
STD. PKG. 3. PKG. WT. 7 LBS.

Brake Wrench

To adjust brakes on Ford cars and trucks. ½″ and 7/16″ Double square openings. 11″ length provides sufficient leverage to comfortably reach and turn brake nuts even if rusted or frozen. Brightly plated.

NO. 268 FORGED CHROME ALLOY BRAKE ADJUSTING WRENCH STD. PKG. 6. PKG. WT. 3 LBS.

NO. 267 FORGED SELECT STEEL BRAKE ADJUSTING WRENCH
STD. PKG. 6. PKG. WT. 3 LBS.

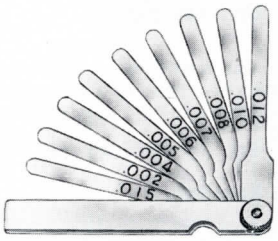
Gasket Cutting Punches

Invaluable wherever shims, template or gaskets must be cut, especially when time is of the essence. A perfect cut can be made in cork, rubber, leather and a great many other materials including soft metallic shim stock. Heat treated and tempered with carefully ground edges for clean cutting and lasting quality. Polished and Chrome plated. Length 2⅞″.

No.	Size	Std. Pkg.	Pkg. Wt.
751	¼″	4	½ lb.
752	5/16″	4	½ lb.
753	⅜″	4	¾ lb.
754	7/16″	4	¾ lb.
755	½″	4	1 lb.
756	9/16″	4	1¼ lbs.
757	⅝″	4	2¼ lbs.

NO. 750M SET OF 7 PUNCHES LISTED ABOVE IN METAL BOX
STD. PKG. 1. PKG. WT. 2¼ LBS.

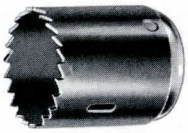
Brake Service Feeler Gauge



Swedish steel blades 4″ long by ¼″ wide for accurate setting of clearances on Bendix, Lockheed, Timken, Wagner and other brakes. 9 blades, sizes .002, .004, .005, .006, .007, .008, .010, .012, and .015.

NO. 221 BRAKE SERVICE FEELER GAUGE
STD. PKG. 6. PKG. WT. ½ LB.

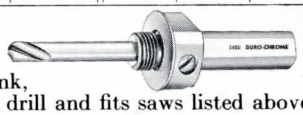
High Speed Steel Hole Saws



For use with ½″ or ⅝″ electric drills. Fast clean cutting. Furnished in the following popular sizes.

No.	Dia.	Std. Pkg.	Pkg. Wt.	No.	Dia.	Std. Pkg.	Pkg. Wt.
3390	¾″	1	1 oz.	3394	1¼″	1	2 oz.
3391	⅞″	1	1 oz.	3395	1⅜″	1	2 oz.
3392	1″	1	1 oz.	3396	1½″	1	2 oz.
3393	1⅛″	1	2 oz.				

Mandrel for Hole Saws



Mandrel has ½″ shank, complete with pilot drill and fits saws listed above.

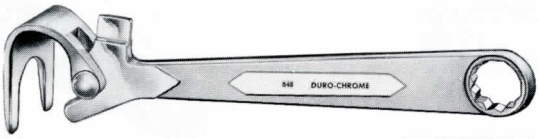
NO. 3450 MANDREL FOR HOLE SAWS
STD. PKG. 1. PKG. WT. ¼ LB.

DURO-CHROME

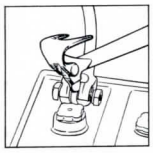
TOOLS OF PROGRESS

CHROME ALLOY STEEL

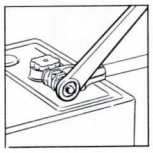
Battery Terminal Lifter and Wrench



Lifter



Spreader



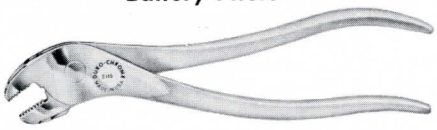
Wrench

The handle of this tool contains a 12 point box wrench opening 9/16″ which fits most battery terminal nuts. Other end of handle has spreader blade for forcing terminal clamp apart after terminal nut has been loosened. The thin fingers are then inserted under the terminal, and with simple cam action, the terminal lifts from the post.

Forged from Chrome Alloy Steel, polished and Chrome plated. Length 6½″.

NO. 648 BATTERY TERMINAL LIFTER AND WRENCH
STD. PKG. 6. PKG. WT. 2 LBS.

Battery Pliers



This plier is designed to provide positive grip of badly corroded or mutilated battery terminal nuts. Hand fitting handles enable confident grasp and will not pinch fingers. Forged chrome alloy steel with polished jaws and satin finish handles. Heavily chrome plated. Length 8″.

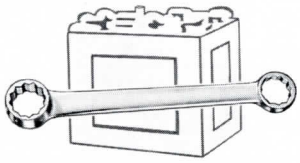
NO. 2115 CHROME ALLOY STEEL BATTERY PLIER
STD. PKG. 6. PKG. WT. 2½ LBS.

Available also in forged select steel.

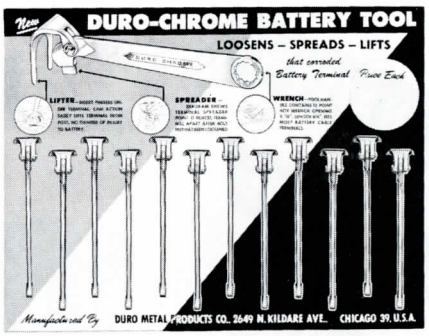
NO. 3416 SELECT STEEL BATTERY PLIER
STD. PKG. 6. PKG. WT. 2¼ LBS.

Battery and Starter Wrench

A 12 point 9/16″ and ⅝″ Box End Wrench, fits practically all battery terminal nuts as well as starters. Forged Select Steel in satin finish with polished heads. Length 6″.



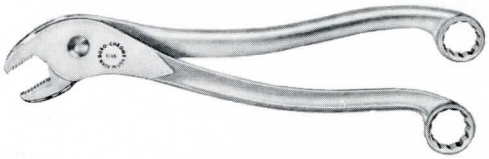
NO. 647 BATTERY AND STARTER WRENCH
STD. PKG. 6. PKG. WT. 1 LB.



A 3 color Merchandiser illustrating the No. 648 Battery Terminal Lifter and Wrench. Display is furnished with 12 wrenches and can be hung on the wall or will stand on counter supported by self contained easel. Card 15″ x 19½″.

NO. 648-C12 DISPLAY AND 12 NO. 648 BATTERY WRENCHES
STD. PKG. 1. PKG. WT. 6 LBS.

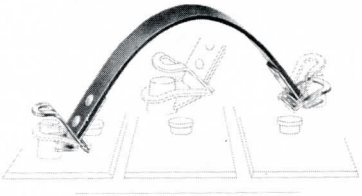
Battery Plier-Wrench



A combination battery plier as well as a battery wrench. Box wrench openings are ⅝″ and 9/16″, popular sizes for battery terminal nuts. Plier jaws will work on undersize or mutilated nuts. Forged alloy steel, heavily chrome plated with polished jaws. Length 8½″.

NO. 2114 BATTERY PLIER-WRENCH
STD. PKG. 6. PKG. WT. 3 LBS.

Super Quality Safety Battery Lifters

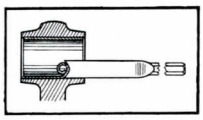


Here is the way to speed up battery service work. The safety locking feature firmly grips the battery post and lessens the possibility of dropping the battery, damaging clothing, etc. Straps are first quality rubberized, acid resistant fabric. Metal locking ends are brightly plated—rust resistant finish.

NO. 789 LONG TYPE BATTERY LIFTER—Length Overall 22″
STD. PKG. 6. PKG. WT. 2 LBS.

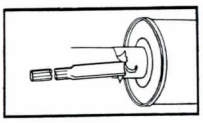
NO. 788 SHORT TYPE BATTERY LIFTER—Length Overall 14″
STD. PKG. 6. PKG. WT. 1¾ LBS.

Splitting Tool for Bushings—Mufflers—Tail Pipes



Illustrating method of removing bushings showing how they are split.

(Pat. No. 2,176,626)



Illustrating method of removing muffler sleeves.

For removing bronze and soft steel bushings from connecting rods, pistons, spindles, housings, etc. Hook the lip of the tool under the bushing and drive through. Will split old exhaust pipes, muffler sleeves and tail pipes. The longer one is very desirable for work on mufflers and tail pipes. For work 9/16″ dia. or larger.

Caution: Not to be used as a chisel, not designed for this purpose.

NO. 169 BUSHING SPLITTING TOOL—Length 7½″ STD. PKG. 6. PKG. WT. 2 LBS.
NO. 168 BUSHING SPLITTING TOOL—Length 10½″ STD. PKG. 6. PKG. WT. 3 LBS.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

DYNAFLOW
POWER GLIDE
ULTRAMATIC
DRIVEMASTER

HYDRAMATIC

FLUID DRIVE
FORD-O-MATIC
MERC-O-MATIC
STUDEBAKER AUTOMATIC

No. 5716 — 16 Piece Set

Service them all with these specialized Duro-Chrome Automatic Transmission Tools. Faster—Easier—More Profitable service work is yours with these high grade Duro-Chrome Tools. Build customer confidence—when your customer sees you use these special tools he has more confidence in your work. Made of chrome alloy steel for extra strength. Modern Design, glistening chrome finish and fully guaranteed.

The 16 pieces listed below are contained in handy enameled metal box. Truly a fine set complete with all the specialized tools necessary to properly service all automatic transmissions. You can handle any modern lubrication job with these Famous Duro-Chrome Tools.

NO. 5716 **16 PIECE AUTOMATIC TRANSMISSION SERVICE SET** STD. PKG. 1 PKG. WT. 6¾ LBS.
NO. 9929 **METAL BOX ONLY, 16″ x 2½″ x 2″** STD. PKG. 1 PKG. WT. 2 LBS.

11 Piece Automatic Transmission Service Set

Contains the first eleven tools listed, complete in handy compact enameled metal box. A fundamental set of tools representing the minimum requirement for the servicing of automatic transmissions.

NO. 5715 **11 PIECE AUTOMATIC TRANSMISSION SERVICE SET** STD. PKG. 1 PKG. WT. 4½ LBS.

Individual Tools and Usage Listing

Part No.	Description	Usage	Std. Pkg.	Pkg. Wt.
4414H	7/16″ 6 Point Socket 3/8″ Sq. Drive	Hydramatic Fluid Coupling Drain Plug—Power Glide, Torque Converter Front Cover Plate—Studebaker, Torque Converter Cover Plate	6	½ lb.
4416H	½″ Point Socket 3/8″ Sq. Drive	Hydramatic—Dynaflow Pan Cover Plate Bolts	6	½ lb.
4418H	9/16″ 6 Point Socket 3/8″ Sq. Drive	Hydramatic—Ultramatic Cover Plate Bolts	6	½ lb.
4420H	5/8″ 6 Point Socket 3/8″ Sq. Drive	Studebaker Automatic—Torque Converter Drain Plug	6	½ lb.
4409SS	9/32″ Square 4 Point Socket 3/8″ Sq. Drive	Dynaflow—Torque Converter Drain Plug	6	¼ lb.
4434	9″ Extension 3/8″ Sq. Drive	Power Glide, Male End fits Torque Converter Female Housing Plug—Ultramatic, Female Plug on Top of Torque Converter—Others, to Reach Cover Plate and Cover Pan Bolts	4	1 lb.
4498	8″ Reversible Ratchet 3/8″ Sq. Drive	Used with Sockets and Extension for fast nut turning	1	¾ lb.
4422HT	11/16″ 6 Point Nut Holding Socket 3/8″ Sq. Drive	Hudson Clutch Drain Plug	6	½ lb.
4424HT	¾″ 6 Point Nut Holding Socket 3/8″ Sq. Drive	Fluid Drive . . . Drain Plug . . . Chrysler . . . DeSoto . . .Dodge	6	¾ lb.
0206L	3/16″ Long Hollow Head Set Screw Wrench	Hydramatic . . . Power Glide . . . Drain Plug	24	1⅛ lbs.
170	Turn it Tool	For Turning Flywheels and Torque Converters to Proper Draining Positions on almost all cars	6	4½ lbs.
1725	7/16″ x ½″ Open End Wrench	Power Glide—Rear Transmission Drain Plug . . . Studebaker Automatic—Bottom Cover Plate Bolts	6	1 lb.
2051A	7/16″ x ½″ Long Pattern 45° Box Wrench	Merc-O-Matic . . . Ford-O-Matic . . . Ultramatic . . . Power Glide . . . Torque Converter Drain Plug and Cover Plates	6	1½ lbs.
2015	¾″ x 7/8″ Long Pattern 15° Box Wrench	Hydramatic . . . Merc-O-Matic . . . Ford-O-Matic . . . Ultramatic . . . Studebaker Automatic Transmission Drain Plugs	6	3½ lbs.
2056	15/16″ x 1″ Long Pattern 45° Box Wrench	Dynaflow . . . Fluid Pan Drain Plug	6	5¾ lbs.
4728	¼″ x 8″ Square Blade Screw Driver	Turning Screws in Floor Board Inspection Hole Covers, Turning Flywheels, etc.	6	1¾ lbs.

Individual tools can be purchased by catalog numbers above.

DURO METAL PRODUCTS CO., 2649 N. KILDARE AVE., CHICAGO 39, U.S.A.

DURO-CHROME

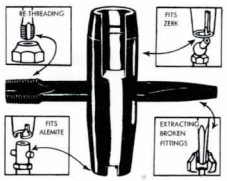
TOOLS OF PROGRESS

Grease Ram

With this tool, frozen joints on cars and trucks are easily and readily greased. Remove oiler or grease fitting and screw on ram after being filled with grease and strike with a hammer. Grease will be forced thru joints that regular hand or pressure guns will not open. Fitted with special nose for Zerk fittings. Made of high grade steel and hardened. Will withstand long and hard use. 4½″ long.

NO. 793 GREASE RAM
STD. PKG. 1. PKG. WT. ½ LB.

Grease Fitting Tool



Designed to remove or replace all types of oil and grease fittings. Has a tool steel tap and extractor for rethreading damaged or worn threads and for removing broken fittings. Indispensable around service station or garage. Heat treated and plated.

NO. 649 GREASE FITTING TOOL
STD. PKG. 12. PKG. WT. 2½ LBS.

Screw Extractors

It's a "cinch" to remove broken threaded studs or screws when using Duro-Chrome screw extractors. They do the job efficiently and economically. To use, drill a hole in the part to be extracted in accordance with the table below. Insert the proper size extractor and the broken part is easily removed. The more you turn the extractor the harder the left hand thread grips the broken part. Forged of Chrome Alloy Steel and scientifically hardened for strength and toughness. Brightly Chrome plated.

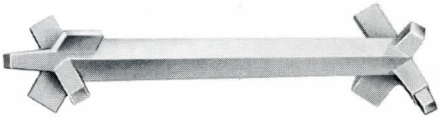
Individual Size Screw Extractors

No.	Bolt Dia.	Use Drill	Drill Depth	Std. Pkg.	Pkg. Wt.
1391	¼″ to 5/16″	5/32″	3/16″	6	½ lb.
1392	5/16″ to 3/8″	3/16″	3/16″	6	½ lb.
1393	3/8″ to 7/16″	¼″	¼″	6	½ lb.
1394	7/16″ to ½″	5/16″	¼″	6	1 lb.
1395	½″ to 5/8″	3/8″	5/16″	6	1 lb.
1396	5/8″ and Up	7/16″	5/16″	6	1¼ lb.

NO. 1399 SET OF 6 EXTRACTORS (1391 to 1396) in Plastic Kit
STD. PKG. 1. PKG. WT. 1 LB.

NO. 1398 SET OF 4 EXTRACTORS (1391 to 1394) in Plastic Kit
STD. PKG. 1. PKG. WT. ½ LB.

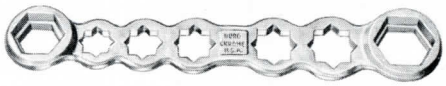
Universal Male Drain Plug Wrench



Service all popular female filler and drain plugs on cars and trucks. The combination of sizes in one tool is a real time saver around a Service Station or Garage. The leverage provided easily removes the most balky plugs, with clean, square corners providing perfect fit for each of the sizes. Forged and hardened for lifetime service.

NO. 643 UNIVERSAL MALE DRAIN PLUG WRENCH
STD. PKG. 6. PKG. WT. 6¾ LBS.

Universal Female Drain Plug Wrench



Fits practically all popular male plugs in crank cases, transmissions, differentials on cars and trucks. A particularly useful tool around a Service Station or Garage. A combination of nine hexagon and 8 point square openings in sizes: ½″, 9/16″ 5/8″, 11/16″, ¾″, square; ¾″, 15/16″, 1″ and 1⅛″ hexagon. Drop forged and hardened. Chrome Plated.

NO. 644 UNIVERSAL FEMALE DRAIN PLUG WRENCH
STD. PKG. 6. PKG. WT. 4 LBS.

Male Drain Plug Sockets

For speed in removing drain plugs in crank case, transmission, differential, etc., in cars, trucks, tractors, use these sockets with a speeder or any other ½″ square drive handle. Saves time and labor around Service Station or Garage. Made of Select Steel and hardened. Rust resistant finish.

No.	Size	Std. Pkg.	Pkg. Wt.
6652	3/8″	6	¾ lb.
6653	7/16″	6	¾ lb.
6654	½″	6	¾ lb.
6655	9/16″	6	1 lb.
6656	5/8″	6	1 lb.
6657	11/16″	6	1 lb.
6658	¾″	6	1 lb.

Grease Bar—Straight Type

Will greatly facilitate a thorough greasing of frozen spring shackles. The three leaf capacity fork is set at a 25° angle to conveniently clear obstacles under cars and trucks. Drop forged tool steel. Brightly Plated.

NO. 2190 GREASE BAR
STD. PKG. 1. PKG. WT. 4¼ LBS.

Starter and Manifold Wrenches

Especially designed as a time saving tool for starter and manifold work. 12 point openings. Made of Chrome Alloy steel for extra strength and heat treated. Polished and Chrome Plated. 7¾″ long.

NO. 2081 5/8″ x 9/16″ STARTER AND MANIFOLD WRENCH
STD. PKG. 6. PKG. WT. 1¾ LBS.

NO. 2081A 5/8″ x ¾″ CHEVROLET STARTER WRENCH
STD. PKG. 6. PKG. WT. 2½ LBS.

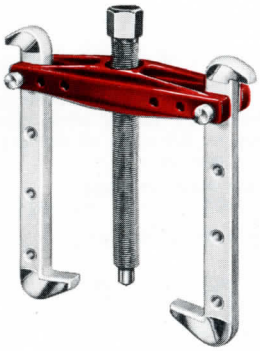
TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

HEAVY DUTY TYPE

Furnished in both two and three arm types as illustrated. The arms as well as the center body are drop forged for maximum strength. The heavy, long screw is hardened for wear and has extra long bearing in the center body. Body is finished in red enamel, arms are brightly chrome plated.



Forged Center Body and Arms

Arms are 8" long overall with three effective length adjustments. Maximum reach of arms is 6¼". Hooks are offset ½" at one end of arm and 1" at the other. Can be used for either external or internal pulling.

Center body has three radial adjustments ranging from 3" to 6" in diameter.

Quick action adjusting pins are held in head by spring loaded balls. Allows reversing or adjusting of the arms with minimum effort.

Screw head is ⅞" hexagon and can be turned with wrench or socket and handle.

Parts List

No. 2355-2	Arm	Wt. each 1 lb.
No. 2355-3	Screw	Wt. each 1 lb.
No. 2355-4	Pin	Wt. each 1 oz.

NO. 2355 2 ARM GEAR PULLER
STD. PKG. 1. PKG. WT. 5 LBS.

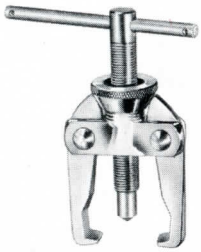
NO. 2356 3 ARM GEAR PULLER
STD. PKG. 1. PKG. WT. 7 LBS.

Improved Type Light Duty Gear Pullers

Cone which controls the spread of the arms operates independently of the puller screw. Allows firm clamping of the jaws without the locking or binding effect upon the screw found in cheaper type pullers. Quick action pins provides easy changing of arms. Forged arms, other parts accurately machined, fully chrome plated.

The smaller size has a maximum spread of approximately 1⅞" between points and will pull a gear 2¼" diameter by ½" width of face. Effective reach of arms is 1¾". Can be used with Slide Hammer Handle No. 2370 shown on opposite page.

Large puller has a maximum spread of approximately 2⅞" between points and will pull a gear 3½" diameter by 1⅛" width of face. Effective reach of arms is 2¼". With adaptor No. 2374 can be used with Slide Hammer Handle No. 2370.



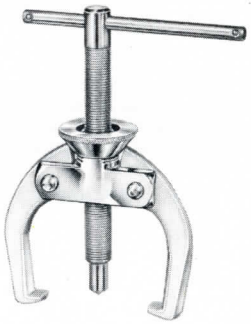
Parts List for 2¼" Puller

No. 2362-2	Screw	Wt. each 4 oz.
No. 2362-5	Turning Bar	Wt. each 1 oz.
No. 2362-3	Arm	Wt. each 2 oz.
No. 2362-6	Pin	Wt. each 1 oz.

Parts List for 3½" Puller

No. 2363-2	Screw	Wt. each 6 oz.
No. 2362-5	Turning Bar	Wt. each 2 oz.
No. 2363-3	Arm	Wt. each 4 oz.
No. 2363-6	Pin	Wt. each 1 oz.

NO. 2362 2¼" GEAR PULLER
STD. PKG. 1. PKG. WT. ¾ LB.



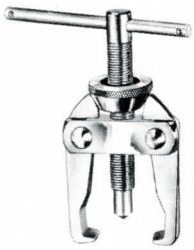
NO. 2363 3½" GEAR PULLER
STD. PKG. 1. PKG. WT. 1¼ LBS.

Standard Light Duty Gear Pullers

In these two Gear Pullers is offered exceptional utility and service at a very low cost. Cone operating on puller screw adjusts spread of arms. Arms are forged for strength. Brightly plated.

The smaller one which has a maximum spread of approximately 1⅞" between points will pull a gear 2¼" diameter by ½" width of face. Effective arm length is 1¾". Especially good for pulling battery terminals, small gears and bearings.

The larger puller has a maximum spread between points of approximately 2¾" and will pull a gear 3½" diameter by 1⅛" width of face. Effective arm length is 2¼".



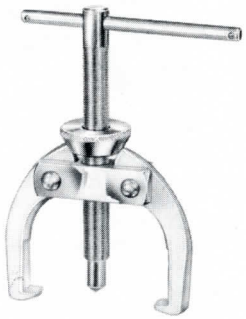
Parts List for 2¼" Puller

No. 2352-2	Screw	Wt. each 3 oz.
No. 2352-3	Arm	Wt. each 2 oz.
No. 2352-6	Rivet	Wt. each 1 oz.

Parts List for 3½" Puller

No. 2353-2	Screw	Wt. each 6 oz.
No. 2353-3	Arm	Wt. each 3 oz.
No. 2353-6	Rivet	Wt. each 1 oz.

NO. 2352 2¼" GEAR PULLER
STD. PKG. 1. PKG. WT. ¾ LB.



NO. 2353 3½" GEAR PULLER
STD. PKG. 1. PKG. WT. 1¼ LBS.

Universal Hub Puller

The two arm type is for cars and trucks having wheels with 4, 6 or 8 studs. The three arm type is for wheels with five studs.

Specially designed heavy malleable iron construction with extra large pulling screw of hardened steel. Red baked enamel finish.

Parts List

No. 258-3	Screw	Wt. each ½ lb.
No. 258-2	Arm	Wt. each ¾ lb.

NO. 258 2 ARM UNIVERSAL HUB PULLER
STD. PKG. 1. PKG. WT. 4¼ LBS.

NO. 259 3 ARM UNIVERSAL HUB PULLER
STD. PKG. 1. PKG. WT. 5¼ LBS.

DURO-CHROME

CHROME ALLOY STEEL

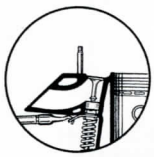
TOOLS OF PROGRESS

SLIDE HAMMER HANDLE

For removing bearings, gears, oil and grease seals, keepers, etc. this tool is fast and efficient. The impact of the sliding hammer striking the bumping collar is transmitted to the opposite end where hooks or gear pullers are attached by means of threads and locknut. Saves time as well as avoids damaging small parts. Very sturdily constructed, 25½″ overall. The slide is Red baked enamel finish; all other parts are brightly plated.

NO. 2370 SLIDE HAMMER HANDLE ONLY
STD. PKG. 1. PKG. WT. 4½ LBS.

Sharp Hook Attachment



The picture shows how this hook is used for removing valve keys as well as cotter pins and small parts where larger tools cannot be used.

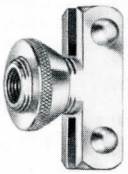
NO. 2370-B SHARP HOOK ATTACHMENT
STD. PKG. 1. PKG. WT. ⅛ LB.

Flat Hook Attachment

The flat hook is used for pulling bushings as shown. Also fine for seals, bearings, etc.

NO. 2370-C FLAT HOOK ATTACHMENT
STD. PKG. 1. PKG. WT. ⅛ LB.

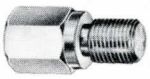
Small Gear Puller Body

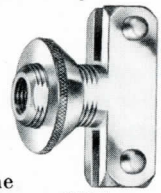


This small gear puller body attaches directly to the slide hammer. With the addition of either external or internal arms, listed separately below, various pulling jobs can be done as shown in inserts.
Body comes complete with cone for positioning arms and with quick action, ball and spring loaded pins to permit changing arms. The complete external type puller can be purchased as No. 2362 as shown on opposite page. Brightly chrome plated.

NO. 2371 SMALL GEAR PULLER BODY ONLY
STD. PKG. 1. PKG. WT. ¼ LB.

Large Gear Puller Body and Adaptor





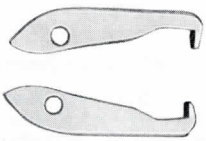
Large Gear Puller Body requires the Adaptor above for attaching to slide hammer. With external or internal arms listed below will handle a large range of pulling jobs. Comes complete with adjusting cone and quick action pins. Can be purchased as complete external puller as No. 2363 as shown on opposite page.

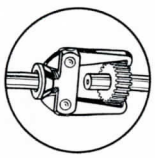
NO. 2375 LARGE GEAR PULLER BODY ONLY
STD. PKG. 1. PKG. WT. ½ LB.

NO. 2374 ADAPTOR ONLY
STD. PKG. 1. PKG. WT. ⅛ LB.

Short External Arm

Used in pairs with the Puller Body above and Slide Hammer Handle, will pull gears and bearings up to 2¼″ diameter by ½″ wide. Arm is forged for strength and brightly chrome plated. Overall length 2⅞″.





NO. 2362-3 SHORT EXTERNAL ARM
STD. PKG. 1. PKG. WT. ⅛ LB.

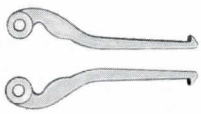
Long External Arm

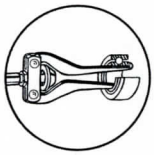
Used in pairs with the Puller Body above and Slide Hammer Handle, will pull gears and bearings up to 3½″ diameter by 1⅛″ wide. Arm is forged alloy steel, brightly chrome plated. Overall length 3⅝″.

NO. 2363-3 LONG EXTERNAL ARM
STD. PKG. 1. PKG. WT. ¼ LB.

Short Internal Arm

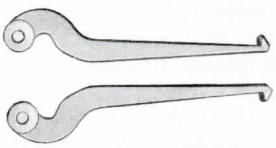
Used in pairs with the Small Puller Body, arms will enter a hole as small as ¾″ diameter and will pull bearings, sleeves, etc. having a bore up to 2″ in diameter. Forged alloy steel and chrome plated. Length overall 4½″.





NO. 2373 SHORT INTERNAL ARM
STD. PKG. 1. PKG. WT. ⅛ LB.

Long Internal Arm



In pairs with Large Puller Body arms will enter holes as small as 1″ diameter and will pull recessed bearings, long bushings, etc. as large as 3″ diameter bore. Forged alloy steel, chrome plated. Length overall 6½″.

NO. 2377 LONG INTERNAL ARM
STD. PKG. 1. PKG. WT. ¼ LB.

Slide Hammer with all attachments

Be prepared for any pulling job, buy the complete set. Includes Slide Hammer Handle No. 2370, Sharp Hook No. 2370B, Flat Hook No. 2370C, 2¼″ and 3½″ External Gear Pullers Nos. 2362 and 2363 from opposite page, Adaptor No. 2374, 2 Short Internal Arms No. 2373 and 2 Long Internal Arms No. 2377.
Will save you time on the job and the cost of parts which would otherwise be damaged if removed by other means.

NO. 2360 SLIDE HAMMER WITH ALL ATTACHMENTS
STD. PKG. 1. PKG. WT. 8 LBS.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

Refrigeration Ratchet

Acclaimed by refrigeration servicemen as the best ratchet in the industry. Can be used in so many different ways. Ratcheting head is instantly reversible and the 1/4" Square Drive hole will fit valve stems as well as all 1/4" Sq. Dr. sockets and attachments. Handle has square openings of 3/16", 1/4" and 5/16" for valve stems and a 12 point opening for 1/2" hexagon nuts or bolts on compressors, flanges, etc. Forged Chrome Alloy steel, polished and Chrome plated. Length 6 1/4".

NO. 4490 REVERSIBLE RATCHET STD. PKG. 6. PKG. WT. 2 LBS.

Same as above except non-reversible.

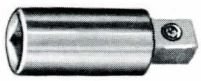
NO. 4489 NON-REVERSIBLE RATCHET STD. PKG. 3. PKG. WT. 1 LB.

Extension Adaptor

Double male extension 1/4" Sq. Dr. with friction ball in each end. For use with ratchets above. Length 3/4".

NO. 4531 3/4" EXTENSION STD. PKG. 4. PKG. WT. 1 OZ.

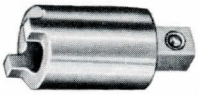
Valve Stem Sockets



These sockets have 1/4" sq. male drive ends with spring loaded ball to hold them securely in place in the refrigeration ratchet or extension. Will fit popular sizes of square valve stems. Heat treated, polished and fully Chrome plated.

Socket No.	For Square Stem Size	Standard Package	Package Weight
341	3/16"	6	1/4 lb.
342	7/32"	6	1/4 lb.
343	1/4"	6	1/4 lb.
344	5/16"	6	1/4 lb.
491	3/8"	4	1/4 lb.

Packing Gland Nut Sockets



A socket to fit almost any packing gland nut can be selected from the following table. Accurately machined, pronged sockets have 1/4" Sq. Male drive for use with ratchet. Bored to clear valve stems. Heat treated, polished and brightly Chrome plated.

Socket No.	Diameter		Prong		Standard Package	Package Weight
	Inside	Outside	Depth	Width		
4541M	11/32"	15/32"	3/32"	5/64"	6	1/4 lb.
4542M	21/64"	15/32"	3/32"	1/8"	6	1/4 lb.
4543M	29/64"	11/16"	1/8"	1/8"	6	1/2 lb.
4544M	9/16"	13/16"	3/32"	5/64"	6	3/4 lb.
4545M	5/16"	9/16"	3/32"	7/64"	6	1/2 lb.
337	23/64"	5/8"	5/32"	1/8"	6	1/4 lb.

Packing Gland Nut Sockets

Similar to Packing Gland Nut Sockets listed in adjoining column except these sockets have 1/4" Sq. Female Drive. Heat treated, polished and brightly Chrome plated.

Socket No.	Diameter		Prong		Standard Package	Package Weight
	Inside	Outside	Depth	Width		
4541F	11/32"	15/32"	3/32"	5/64"	6	1/4 lb.
4542F	21/64"	15/32"	3/32"	1/8"	6	1/4 lb.
4543F	29/64"	11/16"	1/8"	1/8"	6	1/2 lb.
4544F	9/16"	13/16"	3/32"	5/64"	6	3/4 lb.
4545F	5/16"	9/16"	3/32"	7/64"	6	1/2 lb.

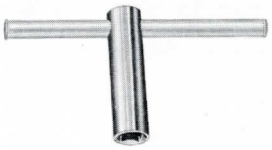
Oval Packing Gland Nut Sockets

Some Kerotest and Imperial valves have packing gland nuts having an oval opening 3/8" x 1/2". Available in either 1/4" Sq. Male or Female drive. Accurately broached openings. Hardened, polished and Chrome plated.

NO. 349 MALE DRIVE GLAND NUT SOCKET STD. PKG. 6. PKG. WT. 1/4 LB.

NO. 4549 FEMALE DRIVE GLAND NUT SOCKET STD. PKG. 6. PKG. WT. 1/2 LB.

Valve Stem Slide "T" Wrenches

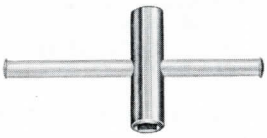


Handy wrenches for square valve stems. "T" handle will slide to clear obstructions. Accurately sized, hardened, polished and brightly plated. Over-all socket length 1 7/8".

Socket No.	For Square Stem Size	Standard Package	Package Weight
351	3/16"	6	3/4 lb.
352	7/32"	6	3/4 lb.
353	1/4"	6	3/4 lb.
354	5/16"	6	1 lb.
355	3/8"	6	1 1/4 lbs.

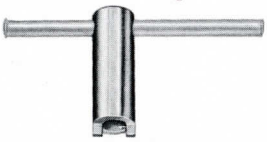
Double End Valve Stems Slide "T" Wrenches

These wrenches have two sizes of square openings with slide "T" handle located centrally between them. Hardened, polished and Chrome plated. Over-all socket length 1 3/4".



Socket No.	For Square Stem Sizes	Standard Package	Package Weight
361	1/4" & 5/16"	6	1 1/4 lbs.
362	1/4" & 7/32"	6	3/4 lb.

Packing Gland Slide "T" Wrenches



Two popular size Packing Gland Wrenches with handy slide "T" handles. Hardened steel, accurately made, polished and brightly plated.

Socket No.	Diameter		Prong		Standard Package	Package Weight
	Inside	Outside	Depth	Width		
338	23/64"	5/8"	1/8"	1/8"	6	1 lb.
339	23/64"	1/2"	1/8"	3/32"	6	3/4 lb.

DURO-CHROME

TOOLS OF PROGRESS

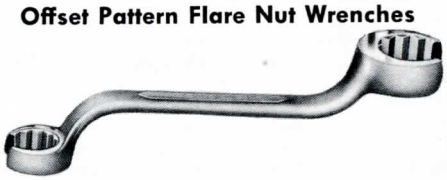
CHROME ALLOY STEEL

Straight Pattern Flare Nut Wrenches

Flare nut wrenches pay for themselves time and again in labor and refrigerant saved. Always use a flare nut wrench and avoid distortion of the flare joint and consequent refrigerant leak. Openings in wrench ends will pass over tubing and hexagon or double hexagon broaching distributes turning effort over five faces of the flare nut. Open side of wrench is at 10° angle so that wrench can be turned over to get new "bite" where necessary in close quarters.
Forged Chrome Alloy Steel, Chrome plated with polished heads and panels.

No.	Size	Std. Pkg.	Pkg. Wt.
368	3/8" x 7/16"— 6 Pt.	6	3/4 lb.
369	1/2" x 9/16"— 6 Pt.	6	1 3/4 lbs.
371	3/4" x 1" —12 Pt.	6	2 3/4 lbs.
372	7/8" x 1 1/8"—12 Pt.	6	4 1/2 lbs.

Offset Pattern Flare Nut Wrenches



This pattern has same general features of straight pattern wrenches above, and in addition is offset as shown to reach flare nuts which are recessed or under an obstruction.

No.	Size	Std. Pkg.	Pkg. Wt.
379	3/8" x 1/2"—12 Pt.	6	1/2 lb.
380	7/16" x 9/16"—12 Pt.	6	1 lb.
381	5/8" x 13/16"—12 Pt.	6	2 lbs.
382	3/4" x 1" —12 Pt.	6	3 lbs.
383	7/8" x 1 1/8"—12 Pt.	6	4 1/2 lbs.
384	1" x 1 3/16"—12 Pt.	6	5 1/2 lbs.

Coil Spring Tube Benders

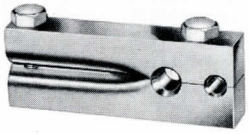
These special Benders provide an ideal means of smoothly bending tubing without collapsing or cracking it. Made of music spring wire, heavily plated.

No.	Capacity	Length	Std. Pkg.	Pkg. Wt.
241	1/4" Dia.	10"	12	2 lbs.
242	5/16" Dia.	10"	12	2 1/2 lbs.
243	3/8" Dia.	10"	12	3 lbs.
244	7/16" Dia.	12"	12	4 1/2 lbs.
245	1/2" Dia.	12"	12	5 1/4 lbs.
246	5/8" Dia.	12"	12	6 1/4 lbs.

NO. 240-4 **SET OF 4 BENDERS—Sizes 1/4", 3/8", 1/2", 5/8"**
STD. PKG. 1. PKG. WT. 1 LB.

NO. 240-6 **SET OF 6 BENDERS listed above—Sizes 1/4" to 5/8"**
STD. PKG. 1. PKG. WT. 2 LBS.

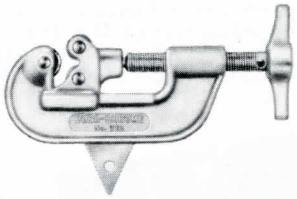
Pinch-Off Tool



Used to effect repairs where a shut-off valve is not provided. Will close up to 1/2" Dia. tubing. Holes at end will form and straighten 1/4" and 5/16" tubing. Compact 3 1/8" long, 1 1/8" high. Brightly plated.

NO. 266 **PINCH-OFF TOOL**
STD. PKG. 6. PKG. WT. 2 3/4 LBS.

Tube Cutter—Roller Jaw Type



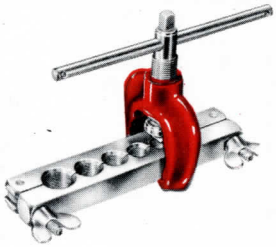
This popular type Tube Cutter has a capacity from 1/8" to 1" outside diameter on copper, brass and aluminum tubing and is 5 3/4" overall. The two rollers align the tubing perfectly so that cutting wheel is always at right angles to the work and insures precision cutting without distortion and with a minimum burr. The Cutter Wheel is easily replaceable.

NO. 261 **TUBE CUTTER—WITH BURR REAMER**
STD. PKG. 1. PKG. WT. 3/4 LB.

NO. 265 **TUBE CUTTER—WITHOUT BURR REAMER**
STD. PKG. 1. PKG. WT. 3/4 LB.

NO. 261A **REPLACEMENT CUTTING WHEEL ONLY**
STD. PKG. 6. PKG. WT. 1 OZ.

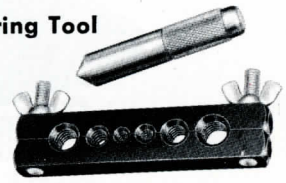
Tube Flaring Tool



Will flare tubing sizes 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" dia. right on the job without removing tubing from the unit. Very simple to operate. Bar is clamped around tube, then self-centering yoke slips on from the top. No need to slide yoke in from one end. Fast action clamping bar designed to operate with only 1/2 turn of wing nuts.
Flaring cone can be turned with the removable slide bar furnished or with Refrigeration Ratchets Nos. 4490 or 4489.

NO. 385 **FLARING TOOL**
STD. PKG. 1. PKG. WT. 1 1/2 LBS.

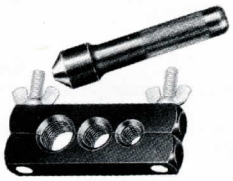
Handy Flaring Tool



Forming tool clamps firmly around tubing and the end is flared by tapping punch into the end of the tube. Will flare 3/16", 1/4", 5/16", 3/8", 7/16", and 1/2" dia. tubing. Rustproof finish.

NO. 263 **FLARING TOOL**
STD. PKG. 1. PKG. WT. 1 1/4 LBS.

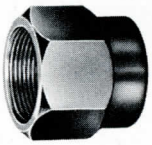
Flaring Tool for Larger Tubing



This tool is similar in construction to the one described above and is designed for the larger sizes of tubing 1/2", 5/8" and 3/4" diameter.

NO. 264 **FLARING TOOL**
STD. PKG. 1. PKG. WT. 1 3/4 LBS.

Frigidaire Wheel Puller



For removing Frigidaire fly wheels without damaging them or end of shaft. Screws on threaded fly wheel hub pulling fly wheel off of the shaft. Rustproof finish.

NO. S-32B **FRIGIDAIRE FLYWHEEL PULLER**
STD. PKG. 6. PKG. WT. 1 3/4 LBS.

TOOLS OF PROGRESS

DURO-CHROME

CHROME ALLOY STEEL

On these pages have been assembled Refrigeration Service Sets to fit the needs of Refrigeration Service Men from the Student to the Professional Engineer. Duro is the recognized leader in the field of manufacturers of special tools required in the rapidly growing industry of domestic and commercial refrigeration and air conditioning.
Improve your speed in making adjustments and repairs. Turn your skill into profit with Duro-Chrome Tools.

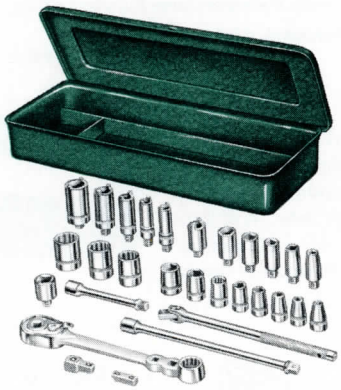
18 PIECE SET

A basic 18 Piece Set for the Student or Repairman just getting started. The square sockets fit popular sizes of valve stems and the packing gland sockets will take all of the corresponding packing gland nuts. The Reversible Refrigeration Ratchet has added feature of valve stem size, square openings in handle. Complete in green hammerloid enamelled metal box.

CONTENTS

No.	Description	No.	Description	No.	Description
	1/4" SQUARE DRIVE	4416	1/2" 12 Pt. Hex. Socket	4549	Packing Gland Socket
4506S	3/16" 4 Pt. Sq. Socket	4418	9/16" 12 Pt. Hex. Socket		
4507S	7/32" 4 Pt. Sq. Socket		**SPECIAL PURPOSE SOCKETS**	4531	3/4" Extension
4508S	1/4" 8 Pt. Sq. Socket			4533	6" Extension
4510S	5/16" 8 Pt. Sq. Socket	4541F	Packing Gland Socket	4493	1/4" x 3/8" Adaptor
4512S	3/8" 8 Pt. Sq. Socket	4542F	Packing Gland Socket	4490	Reversible Refrigeration Ratchet
		4543F	Packing Gland Socket		
	3/8" SQUARE DRIVE	4544F	Packing Gland Socket		
4414	7/16" 12 Pt. Hex. Socket	4545F	Packing Gland Socket		

NO. 5650 **18 PIECE REFRIGERATION SOCKET SET** STD. PKG. 1. PKG. WT. 2½ LBS.
NO. 9913 **BOX, ONLY—9¾" x 3¼" x 1⅜"** STD. PKG. 1. PKG. WT. 1¼ LBS.



29 PIECE SET

This set features every special socket essential to a Refrigeration Field Repairman. Hexagon nuts and bolts, square valve stems, packing glands all can be turned with the sockets, fittings and handles provided. The versatile Duro-Chrome Reversible Refrigeration Ratchet is again the heart of this set. Complete in green hammerloid enamelled metal box as shown.

CONTENTS

No.	Description	No.	Description	No.	Description
	1/4" SQUARE DRIVE		**3/8" SQUARE DRIVE**	341	3/16" Sq. Valve Stem Socket
4506	3/16" 6 Pt. Hex. Socket	4416	1/2" 12 Pt. Hex. Socket	342	7/32" Sq. Valve Stem Socket
4507	7/32" 6 Pt. Hex. Socket	4418	9/16" 12 Pt. Hex. Socket	343	1/4" Sq. Valve Stem Socket
4508	1/4" 6 Pt. Hex. Socket	4420	5/8" 12 Pt. Hex. Socket	344	5/16" Sq. Valve Stem Socket
4509	9/32" 6 Pt. Hex. Socket		**SPECIAL PURPOSE SOCKETS**	491	3/8" Sq. Valve Stem Socket
4510	5/16" 6 Pt. Hex. Socket				
4511	11/32" 6 Pt. Hex. Socket	4541M	Packing Gland Socket	4531	3/4" Extension
4512	3/8" 6 Pt. Hex. Socket	4542M	Packing Gland Socket	4532	3" Extension
4514	7/16" 6 Pt. Hex. Socket	4543M	Packing Gland Socket	4533	6" Extension
		4544M	Packing Gland Socket	4550	6" Swing Head Handle
		4545M	Packing Gland Socket	4493	1/4" x 3/8" Adaptor
		337	Packing Gland Socket	4490	Reversible Refrigeration Ratchet
		349	Packing Gland Socket		

NO. 5652 **29 PIECE REFRIGERATION SOCKET SET** STD. PKG. 1. PKG. WT. 3¾ LBS.
NO. 9927 **BOX, ONLY—11" x 4⅜" x 1⅞"** STD. PKG. 1. PKG. WT. 1¾ LBS.

DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

23 PIECE SET

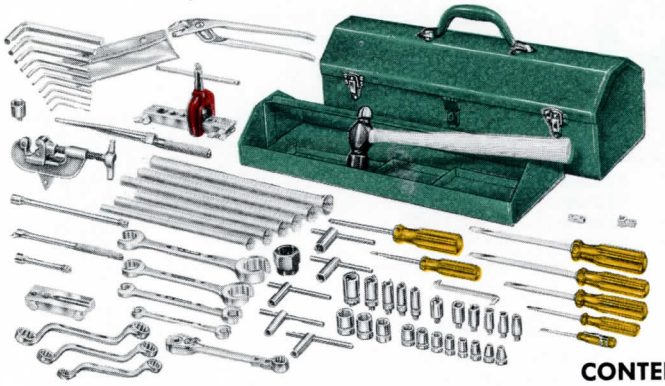
An intermediate set with special refrigeration sockets for most of the valves encountered in the field. Popular valve stem sizes; both refrigerant valves and Prestolite tanks can be opened or closed with the square sockets provided as well as with the square openings in the ratchet handle.

Complete in handy compartmented metal box in green hammerloid enamel.

CONTENTS

No.	Description	No.	Description	No.	Description
	1/4″ SQUARE DRIVE		**SPECIAL PURPOSE SOCKETS**	4543M	Packing Gland Socket
4510	5/16″ 6 Pt. Hex. Socket			4544M	Packing Gland Socket
4511	11/16″ 6 Pt. Hex. Socket	341	3/16″ Sq. Valve Stem Socket	4545M	Packing Gland Socket
4512	3/8″ 6 Pt. Hex. Socket	342	7/32″ Sq. Valve Stem Socket		
4514	7/16″ 6 Pt. Hex. Socket	343	1/4″ Sq. Valve Stem Socket	4531	3/4″ Extension
		344	5/16″ Sq. Valve Stem Socket	4532	3″ Extension
	3/8″ SQUARE DRIVE	491	3/8″ Sq. Valve Stem Socket	4533	6″ Extension
4416	1/2″ 12 Pt. Hex. Socket	349	Packing Gland Socket	4493	1/4″ x 3/8″ Adaptor
4418	9/16″ 12 Pt. Hex. Socket	4541M	Packing Gland Socket	4490	Reversible Refrigeration Ratchet
4420	5/8″ 12 Pt. Hex. Socket	4542M	Packing Gland Socket		

NO. 5651 **23 PIECE REFRIGERATION SOCKET SET** STD. PKG. 1. PKG. WT. 3½ LBS
NO. 9927 **BOX, ONLY—11″ x 4⅜″ x 1⅞″** STD. PKG. 1. PKG. WT. 1¾ LBS



72 PIECE SET

A tool set for the man who appreciates the value of having the correct tool to do the job better and quicker. Has range of sockets, hexagon, square and special purpose, with the famous Duro-Chrome Reversible Refrigeration Ratchet and extensions. Also tools to bend, cut and flare tubing with special flare nut box wrenches to turn flare nuts without distorting the flared joint. The box wrenches, amber handled screw drivers, and long type hexagon set screw wrenches are all sizes used every day on compressors, motors and controls.

Complete in sturdy metal box with handy lift out tote tray. Green hammerloid enamelled finish.

CONTENTS

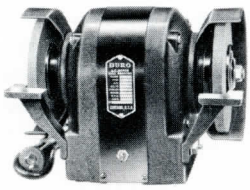
No.	Description	No.	Description	No.	Description
	1/4″ SQUARE DRIVE	343	1/4″ Sq. Valve Stem Socket	351	3/16″ Valve Stem Slide "T"
4506	3/16″ 6 Pt. Hex. Socket	344	5/16″ Sq. Valve Stem Socket	352	7/32″ Valve Stem Slide "T"
4507	7/32″ 6 Pt. Hex. Socket	491	3/8″ Sq. Valve Stem Socket	353	1/4″ Valve Stem Slide "T"
4508	1/4″ 6 Pt. Hex. Socket	4531	3/4″ Extension	354	5/16″ Valve Stem Slide "T"
4509	9/32″ 6 Pt. Hex. Socket	4532	3″ Extension	355	3/8″ Valve Stem Slide "T"
4510	5/16″ 6 Pt. Hex. Socket	4533	6″ Extension	2041	3/8″ x 7/16″ Short 45° Box Wr.
4511	11/32″ 6 Pt. Hex. Socket	4550	6″ Swing Head Handle	2042	1/2″ x 9/16″ Short 45° Box Wr.
4512	3/8″ 6 Pt. Hex. Socket	4493	1/4″ x 3/8″ Adaptor	2043	5/8″ x 11/16″ Short 45° Box Wr.
4514	7/16″ 6 Pt. Hex. Socket	4490	Reversible Refrigeration Ratchet	182	1/8″ x 2″ Screw Driver
	3/8″ SQUARE DRIVE			4703	1/8″ x 3″ Screw Driver
4416	1/2″ 12 Pt. Hex. Socket	241	1/4″ Tube Bender	4714	3/16″ x 4″ Screw Driver
4418	9/16″ 12 Pt. Hex. Socket	242	5/16″ Tube Bender	4716	3/16″ x 6″ Screw Driver
4420	5/8″ 12 Pt. Hex. Socket	243	3/8″ Tube Bender	4726	1/4″ x 6″ Screw Driver
	SPECIAL PURPOSE SOCKETS	244	7/16″ Tube Bender	4681	No. 1 Point Phillips Scr. Dr.
		245	1/2″ Tube Bender	4682	No. 2 Point Phillips Scr. Dr.
4541M	Packing Gland Socket	246	5/8″ Tube Bender	4771	3/16″ x 4½″ Offset Scr. Dr.
4542M	Packing Gland Socket	266	Pinch-off Tool	1530-16	1 lb. Ball Pein Hammer
4543M	Packing Gland Socket	S-32B	Frigidaire Wheel Puller	9040	Slim Hack Saw
4544M	Packing Gland Socket	261	Tube Cutter	3403	9½″ Utility Plier
4545M	Packing Gland Socket	385	Flaring Tool		**LONG HEX. SET SCREW WRENCHES**
337	Packing Gland Socket	368	3/8″ x 7/16″ Flare Nut Wr.		
349	Packing Gland Socket	369	1/2″ x 9/16″ Flare Nut Wr.	196	Set of 10 Wrenches—Sizes 1/16″, 5/64″, 3/32″, 1/8″, 5/32″, 3/16″, 7/32″, 1/4″, 5/16″, 3/8″.
341	3/16″ Sq. Valve Stem Socket	371	3/4″ x 1″ Flare Nut Wr.		
342	7/32″ Sq. Valve Stem Socket	372	7/8″ x 1⅛″ Flare Nut Wr.		

NO. 5653 **72 PIECE REFRIGERATION TOOL SET** STD. PKG. 1. PKG. WT. 20 LBS.
NO. 9928 **BOX, ONLY—19″ x 6⅝″ x 6″** STD. PKG. 1. PKG. WT. 7½ LBS.

TOOLS OF PROGRESS

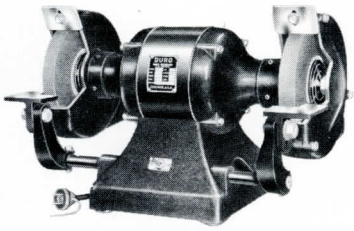
DURO-CHROME

DURO QUALITY BALL BEARING ELECTRIC BENCH GRINDERS



E3969 Standard Duty

E3970



Heavy Duty E3975—E3980

Duro Bench Grinders, with Heavy Duty Ball Bearing motors, permit smooth, quiet, and efficient operation. Guards, of ample size for using wire brushes, are equipped with adjustable work rests. Grinders complete as illustrated with cord, plug, switch and two grinding wheels—ready to operate.

No.	HP.	Volt	Cycle	Phase	R.P.M.	Shaft Dia.	Wheel Size	Pkg. Wt.
E3969	1/4	115	60/50	Single	3450/2850	½″	6″ x ½″	30 lbs.
E3970	1/4	115	60/50	Single	3450/2850	½″	6″ x ½″	46 lbs.
E3975	1/3	115	60/50	Single	3450/2850	½″	6″ x ¾″	72 lbs.
E3980	1/2	115	60/50	Single	3450/2850	⅝″	7″ x 1″	102 lbs.

Grinding Wheels

Fine quality aluminum oxide vitrified Grinding Wheels.

Precision balanced for smooth operation. Recommended for the grinders above.

No.	Dia.	Bore	Width	Grit	Std. Pkg.	Pkg. Wt.
E3214C	4″	½″	½″	36	1	½ lb.
E3214F	4″	½″	½″	60	1	½ lb.
E3216C	6″	½″	½″	36	1	1 lb.
E3216F	6″	½″	½″	60	1	1 lb.

No.	Dia.	Bore	Width	Grit	Std. Pkg.	Pkg. Wt.
E3236C	6″	½″	¾″	36	1	1¾ lbs.
E3236F	6″	½″	¾″	60	1	1¾ lbs.
E3237C	7″	⅝″	1″	36	1	3¼ lbs.
E3237F	7″	⅝″	1″	60	1	3¼ lbs.

Wire Wheel Brushes

Well constructed, made of high quality crimped wire, metal bound. Standard Duty type is for ordinary use where severe service is not necessary. Heavy Duty type is recommended for long life on continuous hard work.

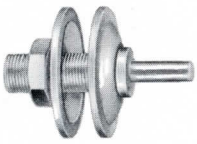
No.	Dia.	Bore	Ap'r'x. Width	Duty	Type	Std. Pkg.	Pkg. Wt.
E3224C	4″	½″	½″	Std.	Coarse	1	¼ lb.
E3224F	4″	½″	½″	Std.	Fine	1	¼ lb.
E3351	4″	½″	1″	Hvy.	Coarse	1	½ lb.
E3226C	6″	½″	½″	Std.	Coarse	1	½ lb.
E3226F	6″	½″	½″	Std.	Fine	1	½ lb.
E3352	6″	½″	1″	Hvy.	Coarse	1	1¾ lbs.
EA3226H	6″	⅝″	1″	Std.	Coarse	1	1¾ lbs.

Cloth Buffing Wheels

These fine grade Cloth Buffing Wheels consist of eighteen layers of muslin, all securely sewed together. ½″ arbor hole.

NO. E3204 4″ CLOTH WHEEL
STD. PKG. 1. PKG. WT. 1 OZ.

NO. E3206 6″ CLOTH WHEEL
STD. PKG. 1. PKG. WT. 1 OZ.



Arbor for Electric Drill

For any Heavy Duty Electric Drill with capacity of ¼″ or over. Will hold grinding wheels and wire or cloth wheels not over 4″ in diameter. Makes a very handy portable tool for grinding, brushing or polishing.

NO. 3350 ELECTRIC DRILL ARBOR
STD. PKG. 6. PKG. WT. ¼ LB.

Carbon Cleaning Brushes

This Brush, 1″ in diameter with ¼″ shank, is made from black tempered wire securely fastened in the head. When used in an Electric Drill removes carbon deposits from valve seats, heads, etc. Also used for removing rust, paint and burrs.

NO. 3361 1″ WIRE BRUSH
STD. PKG. 1. PKG. WT. ¼ LB.

This Brush is made from special grade crimped wire, 1⅛″ diameter with ¼″ shank and is intended for purposes similar to the brush shown above, especially in shops and garages where it will receive very severe service and where wearing qualities are desired.

NO. 3362 1⅛″ SPECIAL WIRE BRUSH
STD. PKG. 1. PKG. WT. ¼ LB.

A Brush of highest quality ⅞″ diameter with ¼″ shank especially desirable for close quarters and small valve seats. Will give maximum service under the most severe working conditions.

NO. 3363 ⅞″ MUSIC WIRE BRUSH
STD. PKG. 1. PKG. WT. ⅛ LB.

DURO-CHROME

TOOLS OF PROGRESS

Duro-Chrome V-Pulleys are made superior in quality and accuracy. Value counts. That is why Duro is one of the World's largest manufacturers of V-groove pulleys. The metal is of our own specification. Breakdown tests have shown it has greater strength and gives longer service than ordinary die cast metal. Automatic casting machines, electrically controlled, exert tremendous pressure to produce uniform density and a close grain. The pulley is carboloy bored for extra accuracy. Use Duro-Chrome V-Pulleys for long, satisfactory service. Offered as shown below in three different styles.

Pulleys operate with ½″ V belts. Sizes up to 6½″ diameter operate with ⅜″ V belts also.

V BELT PULLEYS

When ordering please state bore wanted.

Pulley No.	Dia., Ins.	Bore, Ins.	Std. Pkg.	Pkg. Wt.
E340150	1½	½, ⅝	1	1 oz.
E340175	1¾	½, ⅝	1	⅛ lb.
E340200	2	½, ⅝	1	⅛ lb.
E340225	2¼	½, ⅝, ¾	1	¼ lb.
E340250	2½	½, ⅝, ¾	1	¼ lb.
E340275	2¾	½, ⅝, ¾	1	¼ lb.
E340300	3	½, ⅝, ¾	1	¼ lb.
E340325	3¼	½, ⅝, ¾	1	½ lb.
E340350	3½	½, ⅝, ¾	1	½ lb.
E340400	4	½, ⅝, ¾	1	¾ lb.
E340450	4½	½, ⅝, ¾	1	¾ lb.
E340500	5	½, ⅝, ¾	1	¾ lb.
E340550	5½	½, ⅝, ¾	1	1 lb.
E340600	6	½, ⅝, ¾	1	1 lb.
E340650	6½	½, ⅝, ¾	1	1½ lbs.
E340800	8	½, ⅝, ¾	1	2 lbs.

4 STEP V PULLEYS

2 STEP V PULLEYS

When ordering please state bore wanted.

Pulley No.	Dia., Ins.	Bore, Ins.	Std. Pkg.	Pkg. Wt.
E341505	4, 3¼, 2½, 1¾	½, ⅝, ¾	1	1¼ lbs.
E341506	5, 4, 3, 2	½, ⅝, ¾	1	1¾ lbs.
E341500	2, 2½	½, ⅝	1	½ lb.

STEEL SHAFTING

High grade ground and polished steel for use as line shafting.

NO. E311702 **SHAFT ½″ DIA. x 24″** STD. PKG. 1. PKG. WT. 1½ LBS.

NO. E311703 **SHAFT ⅝″ DIA. x 35″** STD. PKG. 1. PKG. WT. 4 LBS.

NO. E311705 **SHAFT ¾″ DIA. x 48″** STD. PKG. 1. PKG. WT. 6 LBS.

SHAFT COLLARS

For preventing end play in line shafts. Machined from solid steel rod and zinc plated to prevent rust.

NO. E311901 **½″ BORE** STD. PKG. 1. PKG. WT. ⅛ LB.

NO. E311903 **⅝″ BORE** STD. PKG. 1. PKG. WT. ⅛ LB.

NO. E311902 **¾″ BORE** STD. PKG. 1. PKG. WT. ⅛ LB.

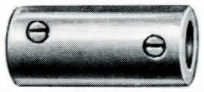
FLEXIBLE COUPLINGS

Will allow for a small amount of misalignment. Approximately 1⅞″ O.D. x 1⅞″ long. When ordering please state bore wanted.

NO. E341800 **HUB 1″, BORES ½″ or ⅝″** STD. PKG. 1. PKG. WT. ½ LB.

NO. E341802 **HUB 1⅜″, BORES ½″, ⅝″, or ¾″** STD. PKG. 1. PKG. WT. ¾ LB.

RIGID COUPLINGS



For coupling two shafts together. Machined from solid steel rod and zinc plated to prevent rust. Length 2″.

NO. E311801 **½″ BORE** STD. PKG. 1. PKG. WT. ¼ LB.

NO. E311803 **⅝″ BORE** STD. PKG. 1. PKG. WT. ½ LB.

NO. E311802 **¾″ BORE** STD. PKG. 1. PKG. WT. ½ LB.

JACK SHAFT

For changing speed ratios. Shaft ½″ dia. x 11⅞″ long. One 2½″ and one 4″ four-step pulley. Cast iron base 6⅜″ wide by 8⅜″ long. Bronze bearings fitted with oil cups and adjustable vertically and laterally to assure proper belt tension and alignment.

NO. E3110 **JACK SHAFT** STD. PKG. 1. PKG. WT. 14 LBS.

SHAFT HANGERS

Self-aligning bearing, fitted with 2 bronze bushings and an oil cup. Adjustable vertically and laterally. Base and yoke are separate castings. Mounting holes 2¼″ C to C.

NO. E3120 **HANGER ½″ BORE** STD. PKG. 1. PKG. WT. 1 LB.

NO. E3123 **HANGER ⅝″ BORE** STD. PKG. 1. PKG. WT. 1 LB.

NO. E3121 **HANGER ¾″ BORE** STD. PKG. 1. PKG. WT. 1 LB.

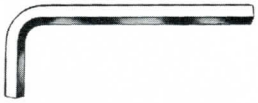
TOOLS OF PROGRESS

DURO-CHROME

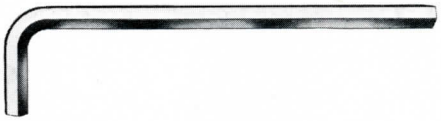
CHROME ALLOY STEEL

HEXAGON TYPE

REGULAR LENGTH



LONG TYPE



CHROME ALLOY STEEL
SCIENTIFICALLY HARDENED
BRIGHTLY PLATED

Indispensable wherever hollow head screws are used. A very necessary tool around an automobile, lawn-mower, oil burner, refrigerator, appliances, machinery, etc. Made of Chrome Alloy Steel and scientifically hardened for satisfactory service and long life. Accurately made for perfect fit. Brightly plated—easy to find on the job or in a tool box.

ORDERING REFERENCE IN BOXES OF 24

No.	Size	Std. Pkg.	Pkg. Wt.
O202A-24	1/16"—Box of 24	1	1 oz.
O202-24	5/64"—Box of 24	1	2 oz.
O203-24	3/32"—Box of 24	1	2 oz.
O204-24	1/8"—Box of 24	1	4 oz.
O205-24	5/32"—Box of 24	1	8 oz.
O206-24	3/16"—Box of 24	1	12 oz.
O207-24	7/32"—Box of 24	1	1 lb. 2 oz.
O208-24	1/4"—Box of 24	1	1 3/4 lbs.
O210-24	5/16"—Box of 24	1	3 lbs.
O212-24	3/8"—Box of 24	1	4 3/4 lbs.

ORDERING REFERENCE IN BOXES OF 24

No.	Size	Std. Pkg.	Pkg. Wt.
O202L-24	5/64"—Box of 24	1	2 oz.
O203L-24	3/32"—Box of 24	1	3 oz.
O204L-24	1/8"—Box of 24	1	6 oz.
O205L-24	5/32"—Box of 24	1	12 oz.
O206L-24	3/16"—Box of 24	1	1 lb. 2 oz.
O207L-24	7/32"—Box of 24	1	1 3/4 lbs.
O208L-24	1/4"—Box of 24	1	2 1/2 lbs.
O210L-24	5/16"—Box of 24	1	4 1/4 lbs.
O212L-24	3/8"—Box of 24	1	6 3/4 lbs.

FOR ECONOMY—BUY IN BOXES OF 100 PIECES

ORDERING REFERENCE IN BOXES OF 100

No.	Size	Std. Pkg.	Pkg. Wt.
O202A-100	1/16"—Box of 100	1	4 oz.
O202-100	5/64"—Box of 100	1	5 oz.
O203-100	3/32"—Box of 100	1	8 oz.
O204-100	1/8"—Box of 100	1	1 lb. 2 oz.
O205-100	5/32"—Box of 100	1	2 lbs. 2 oz.
O206-100	3/16"—Box of 100	1	3 lbs. 2 oz.
O207-100	7/32"—Box of 100	1	5 lbs.
O208-100	1/4"—Box of 100	1	7 lbs.
O210-100	5/16"—Box of 100	1	12 1/2 lbs.
O212-100	3/8"—Box of 100	1	22 lbs.

ORDERING REFERENCE IN BOXES OF 100

No.	Size	Std. Pkg.	Pkg. Wt.
O202L-100	5/64"—Box of 100	1	10 oz.
O203L-100	3/32"—Box of 100	1	14 oz.
O204L-100	1/8"—Box of 100	1	1 3/4 lbs.
O205L-100	5/32"—Box of 100	1	3 lbs.
O206L-100	3/16"—Box of 100	1	5 lbs.
O207L-100	7/32"—Box of 100	1	6 1/4 lbs.
O208L-100	1/4"—Box of 100	1	10 lbs.
O210L-100	5/16"—Box of 100	1	17 3/4 lbs.
O212L-100	3/8"—Box of 100	1	28 1/2 lbs.

Dimensions of Regular Length and Long Type Hollow Head Set Screw Wrenches

Wrench Size	Fits Screw Sizes	
	Set Screws	Cap Screws
1/16"	#5 & 6	
5/64"	#8	
3/32"	#10 & 12	
1/8"	1/4	#8
5/32"	5/16	#10 & 12
3/16"	3/8	1/4
7/32"	7/16	5/16
1/4"	1/2-9/16	
5/16"	5/8	3/8-7/16
3/8"	3/4	1/2-9/16

Length of Short Arm	Length of Long Arm	
	Regular Length	Long Type
21/32"	1 1/16"	
21/32"	1 7/8"	3"
21/32"	2"	3 3/8"
3/4"	2 1/4"	3 3/4"
27/32"	2 1/2"	4 1/8"
15/16"	2 3/4"	4 1/2"
1 1/32"	3"	4 7/8"
1 1/8"	3 1/4"	5 1/4"
1 1/4"	3 3/4"	6"
1 3/8"	4 1/4"	6 3/4"

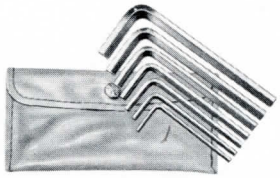
DURO-CHROME

CHROME ALLOY STEEL

TOOLS OF PROGRESS

The increasing popularity of hollow head screws makes it desirable and necessary that every mechanic has a selection of these wrenches. Listed below are several selections arranged to satisfy the demand for popular sizes. Wrenches in each of the sets are made of Chrome Alloy Steel, scientifically hardened and brightly plated. These sets are offered containing either the regular length or the long type wrench and with a choice of the popular priced durable transparent envelope type container or the serviceable plastic hang-up type kit having individual pockets for each wrench.

7 Piece Set—Regular Length

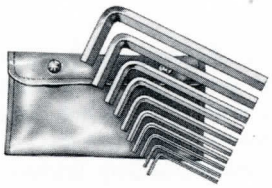


Contained in a durable transparent envelope are seven different sizes: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".

NO. 199 **7 PIECE SET**

STD. PKG. 6. PKG. WT. 1¼ LBS.

10 Piece Set—Regular Length



The complete range of wrenches are offered in this plastic envelope type container. Sizes are: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

NO. 196 **10 PIECE SET**

STD. PKG. 6. PKG. WT. 3½ LBS.

8 Piece Set Regular Length

The most frequently used wrenches are in this set. Contained in kit for convenience in use. Sizes are: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".

NO. D200 **8 PIECE SET**

STD. PKG. 6. PKG. WT. 1¼ LBS.

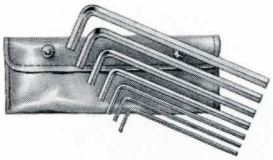
10 Piece Set Regular Length

The complete range of wrenches for greatest utility are offered in this handy plastic kit. Individual pockets for each of the sizes. Sizes are: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

NO. 197 **10 PIECE SET**

STD. PKG. 6. PKG. WT. 3¼ LBS.

7 Piece Set—Long Type

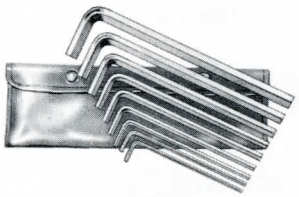


The most frequently used long type wrenches are offered in this popular priced, plastic envelope, set. Sizes are: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".

NO. 191 **7 PIECE SET**

STD. PKG. 6. PKG. WT. 2 LBS.

9 Piece Set—Long Type



This plastic envelope type container includes the complete range of long type wrenches. Sizes are: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

NO. 193 **9 PIECE SET**

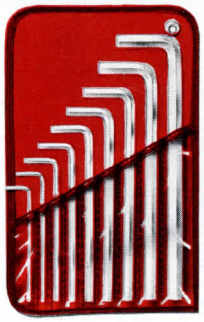
STD. PKG. 6. PKG. WT. 4½ LBS.

7 Piece Set Long Type

The seven most frequently used sizes are individually contained in the pockets of this sturdy plastic kit. Sizes are: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".

NO. 192 **7 PIECE SET**

STD. PKG. 6. PKG. WT. 2 LBS.



9 Piece Set Long Type

For full coverage and complete service we offer this 9 piece set in the plastic kit. Individual pockets are provided for each wrench. Sizes are: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

NO. 194 **9 PIECE SET**

STD. PKG. 6. PKG. WT. 5 LBS.

TOOLS OF PROGRESS

DURO-CHROME

SELECT STEEL

Socket sets in ¼", ⅜", and ½" hexagon drive shown on this and the adjoining page are outstanding values and at prices everyone can afford. Every household has use for one of these sets. Every motorist will want to carry a set in his car. Sold in volume by hardware and variety stores.
The special analysis Select Steel used was chosen, after many tests, for its moderate cost combined with high tensile strength. The sockets are all accurately broached and hardened under automatically controlled temperatures. All parts are heavily plated giving them an attractive bright finish. Patented metal boxes, finished in bright green baked enamel, hold the sockets and handles securely and readily available for use.

¼" Hexagon Drive

8 Piece Vest Pocket Socket Set

NO. 350 8 PIECE SET

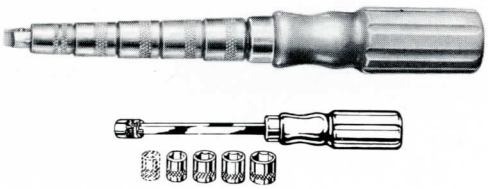
A "vest pocket set" only 4¼" long overall. Handy for radio, television and small electrical and mechanical devices.

CONTENTS

¼" Hex. Socket	7/16" Hex. Socket
5/16" Hex. Socket	⅜" Round Knurled Socket
11/32" Hex. Socket	¼" Square Socket
⅜" Hex. Socket	4" L Handle

STD. PKG. 24. PKG. WT. 7½ LBS.
CASE LOT 96. CASE LOT WT. 30 LBS.

6 Piece "Slip-On" Set



NO. 360 6 PIECE SET

This set is a favorite with electricians in particular. The combination extension and screw driver blade is held in the wooden handle by spring loaded friction ball. Sockets are conveniently held on extension when not in use.

Wood handle orange enamelled, sockets brightly plated. Length 7".

CONTENTS

¼", 5/16", 11/32", ⅜", and 7/16" hex. sockets
7" Combination Spinner Handle and Screw Driver

STD. PKG. 12. PKG. WT. 3 LBS.
CASE LOT 48. CASE LOT WT. 12 LBS

⅜" Hexagon Drive

10 Piece Set

NO. 2104 10 PIECE SET

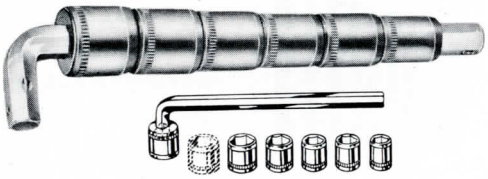
An economy priced set having socket range from 9/32" to ⅝". L Handle locks sockets in orderly manner ready for instant use. Sockets and handle brightly plated, box finished in green baked enamel.

CONTENTS

9/32" Hex. Socket	⅜" Hex. Socket	½" Hex. Socket
5/16" Hex. Socket	7/16" Hex. Socket	9/16" Hex. Socket
11/32" Hex. Socket	15/32" Hex. Socket	⅝" Hex. Socket
	6" L Handle	

STD. PKG. 12. PKG. WT. 10 LBS.
CASE LOT 48. CASE LOT WT. 40 LBS.

7 Piece "Slip-On" Set



NO. 2137 7 PIECE SET

"Slip-on" Set with sockets held on handle by spring loaded friction ball. All parts brightly plated.

CONTENTS

⅜" Hex. Socket	15/32" Hex. Socket	9/16" Hex. Socket
7/16" Hex. Socket	½" Hex. Socket	⅝" Hex. Socket
	6" L Handle	

STD. PKG. 6. PKG. WT. 3½ LBS.
CASE LOT 48. CASE LOT WT. 28 LBS.

DURO-CHROME

SELECT STEEL

TOOLS OF PROGRESS

½″ Hexagon Drive

7 PIECE SET

A practical set for the man who uses tools occasionally on his car, boat, etc. Convenient metal case holds sockets securely.

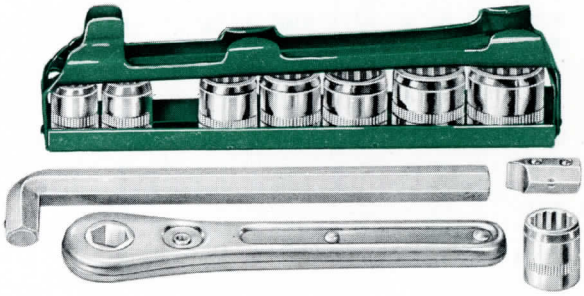
CONTENTS

½″ Hex. Socket	⅝″ Hex. Socket	¾″ Hex. Socket
9/16″ Hex. Socket	11/16″ Hex. Socket	⅞″ Hex. Socket
	6½″ L Handle	

NO. 1351 7 PIECE SET

STD. PKG. 3. PKG. WT. 3¾ LBS.
CASE LOT 48. CASE LOT WT. 60 LBS.

11 PIECE SET



A more complete set featuring a ratchet and an L handle which can be used as a 7″ extension. Short socket adaptor also serves as a screw driver. Sockets and fittings brightly plated. Box finished in green baked enamel.

CONTENTS

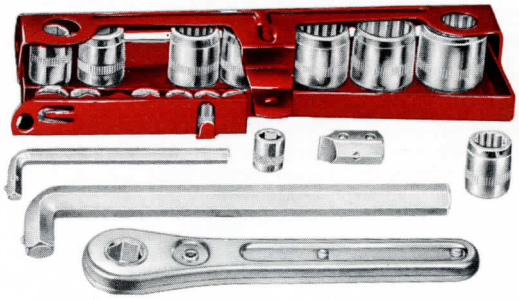
7/16″ Hexagon Socket	¾″ 12 Point Socket
½″ 12 Point Socket	⅞″ 12 Point Socket
9/16″ 12 Point Socket	15/16″ 12 Point Socket
⅝″ 12 Point Socket	6¾″ Ratchet
11/16″ 12 Point Socket	7½″ L Handle

Screw Driver Adaptor

NO. 1451 11 PIECE SET

STD. PKG. 3. PKG. WT. 6¾ LBS.
CASE LOT 48. CASE LOT WT. 108 LBS.

19 PIECE SET



This set combines the features of the ¼″ and ½″ hexagon drive sets in one very compact and convenient case. A "natural" for every home owner, motorist, or handyman.

CONTENTS

½″ Hexagon Drive

7/16″ Hexagon Socket	¾″ 12 Point Socket
½″ 12 Point Socket	⅞″ 12 Point Socket
9/16″ 12 Point Socket	15/16″ 12 Point Socket
⅝″ 12 Point Socket	6¾″ Ratchet
11/16″ 12 Point Socket	7½″ L Handle

Screw Driver Adaptor

¼″ Hexagon Drive

¼″ Hexagon Socket	⅜″ Hexagon Socket
¼″ Square Socket	⅜″ Knurled Socket
5/16″ Hexagon Socket	7/16″ Hexagon Socket
11/32″ Hexagon Socket	4″ L Handle

NO. 1452 19 PIECE SET

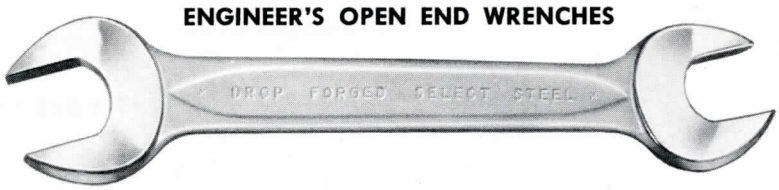
STD. PKG. 3. PKG. WT. 8 LBS.
CASE LOT 48. CASE LOT WT. 128 LBS.

TOOLS OF PROGRESS

DURO-CHROME

SELECT STEEL

ENGINEER'S OPEN END WRENCHES



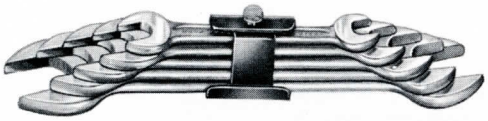
Brightly Plated **Polished Heads**

Here are today's fastest selling wrenches, offered in a complete range of sizes for every requirement. Sturdy, streamlined design for maximum utility. Clean, accurate broaching of sizes with openings at 15° angle to body assures good fit on nuts or bolts and easy, fast work. Drop forged and scientifically heat treated for extra strength. Heads polished to a glistening finish and brightly plated. A series of fine wrenches that will be appreciated for their excellent workmanship and outstanding value.

No.	Size	Length	Head Thickness	Std. Pkg.	Pkg. Wt.
P20	1/4" x 5/16"	3 1/8"	1/8"	6	1/4 lb.
P720	5/16" x 11/32"	3 3/4"	5/32"	6	1/4 lb.
P721	5/16" x 3/8"			6	
P21	5/16" x 13/32"			6	
P21A	11/32" x 13/32"			6	
P723	3/8" x 7/16"	4 1/2"	3/16"	6	1/2 lb.
P723A	3/8" x 1/2"			6	
P23	13/32" x 1/2"			6	
P725	7/16" x 1/2"	5 7/16"	15/64"	6	1 lb.
P725A	7/16" x 9/16"			6	
P725B	1/2" x 9/16"			6	
P25	1/2" x 19/32"			6	
P727	9/16" x 5/8"	6 7/16"	15/64"	6	1 1/2 lbs.
P27	19/32" x 11/16"			6	
P27A	5/8" x 11/16"			6	
P728	9/16" x 3/4"	7 5/16"	9/32"	6	2 lbs.
P28	19/32" x 25/32"			6	
P729	5/8" x 3/4"			6	
P29	11/16" x 25/32"			6	
P29C	11/16" x 13/16"			6	

No.	Size	Length	Head Thickness	Std. Pkg.	Pkg. Wt.
P30	11/16" x 7/8"	8 1/4"	5/16"	6	3 lbs.
P731	3/4" x 13/16"			6	
P731A	3/4" x 7/8"			6	
P31	25/32" x 7/8"			6	
P731B	13/16" x 7/8"			6	
P33B	13/16" x 15/16"	9"	3/8"	6	4 3/4 lbs.
P33A	7/8" x 15/16"			6	
P733	7/8" x 1"			6	
P33C	15/16" x 1"			6	
P734	7/8" x 1 1/8"	10"	7/16"	6	6 1/2 lbs.
P35	31/32" x 1 1/16"			6	
P735	1" x 1 1/8"			6	
P36	31/32" x 1 1/4"	11 7/8"	1/2"	6	9 1/2 lbs.
P37	1 1/16" x 1 1/4"			6	
P737	1 1/8" x 1 1/4"			6	
P37A	1 1/8" x 1 5/16"			6	
P738	1 1/8" x 1 3/8"	13 3/8"	5/8"	6	14 1/2 lbs.
P39	1 1/4" x 1 7/16"			6	
P39A	1 5/16" x 1 1/2"			6	
P739A	1 1/4" x 1 1/2"			6	
P739B	1 3/8" x 1 1/2"			6	
P41	1 7/16" x 1 5/8"	15 1/2"	3/4"	6	23 lbs.

"KLIP-TITE" SETS ARE PROVEN BEST SELLERS!



Brightly Plated **Polished Heads**

Enjoy volume sales by offering several of these sets to give your customers a complete choice. Each wrench drop forged and scientifically heat treated for extra strength. Heads polished to a "glistening" finish and brightly plated for eye appeal. Sets are packaged in the popular Klip-Tite holder for the last word in window and counter merchandising.

5 Piece Sets

Range 5/16" to 3/4". Utility, Beauty and Value has made this set unbeatable for acceptance. A perfect set for the motorist, householder, maintenance service man and mechanic.

CONTENTS

No.	Size	No.	Size
P720	5/16" x 11/32"	P27	19/32" x 11/16"
P723	3/8" x 7/16"	P729	5/8" x 3/4"
P725B	1/2" x 9/16"		

NO. 930-5P **5 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 4 3/4 LBS.

Range 3/8" to 7/8". Truly a fine set of tools with wrench sizes in most efficient combination. These popular sizes have unlimited uses around a car, truck, household, factory maintenance and service work.

CONTENTS

No.	Size	No.	Size
P723	3/8" x 7/16"	P729	5/8" x 3/4"
P725B	1/2" x 9/16"	P731B	13/16" x 7/8"
P27	19/32" x 11/16"		

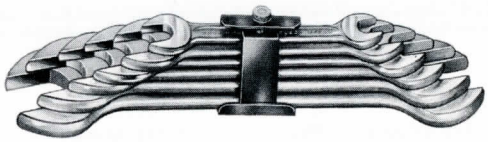
NO. 940-5P **5 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 7 3/4 LBS.

DURO-CHROME

SELECT STEEL

TOOLS OF PROGRESS

KLIP-TITE SETS



Brightly Plated

Range 5/16" to 7/8". The popularity of this set in unequaled. Twelve openings of the most frequently used sizes for extra utility. A beauty to own and priced for instantaneous acceptance. A "natural" for motorist, householder, mechanic and service men.

CONTENTS

No.	Size	No.	Size
P720	5/16" x 11/32"	P27	19/32" x 11/16"
P723	3/8" x 7/16"	P729	5/8" x 3/4"
P725B	1/2" x 9/16"	P731B	13/16" x 7/8"

NO. 930-6P **6 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 8 LBS.

Range 3/8" to 15/16". An ideal set that is the constant choice for all around use by motorist, mechanic, householder, maintenance and service men. Built to satisfy and priced for volume sale.

CONTENTS

No.	Size	No.	Size
P723	3/8" x 7/16"	P729	5/8" x 3/4"
P725B	1/2" x 9/16"	P31	25/32" x 7/8"
P27	19/32" x 11/16"	P33B	13/16" x 15/16"

NO. 940-6P **6 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 12¼ LBS.

Polished Heads

Range 3/8" to 1". Never before has there been offered a set that has so much utility, value and beauty. Twelve openings all in popular sizes to do all those jobs small and large around a car, truck, farm equipment, household, and for maintenance and service work.

CONTENTS

No.	Size	No.	Size
P723	3/8" x 7/16"	P729	5/8" x 3/4"
P725B	1/2" x 9/16"	P731B	13/16" x 7/8"
P27	19/32" x 11/16"	P33C	15/16" x 1"

NO. 939-6P **6 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 12½ LBS.

Range 3/8" to 1¼". A complete set for the home owner, car owner, farmer, mechanic, professional and amateur craftsman, and maintenance and service men.

CONTENTS

No.	Size	No.	Size
P723	3/8" x 7/16"	P731B	13/16" x 7/8"
P725B	1/2" x 9/16"	P33C	15/16" x 1"
P729	5/8" x 3/4"	P37	1 1/16" x 1 1/4"
P29	11/16" x 25/32"		

NO. 940-7P **7 PIECE OPEN END WRENCH SET**
STD. PKG. 1. PKG. WT. 4 LBS

"KLIP-TITE" LEADER SETS

Three leader sets that top anything offered. Quality built and priced to sell on sight. Packaged in the popular "Klip-Tite" holder. Long lasting rust-resistant finish and scientifically heat treated. A heavy volume mover for chain stores, variety stores, hardware dealers.

5 Piece Set. Range 5/16" to 3/4".

CONTENTS—5 WRENCHES—SIZES:

5/16" x 11/32"	1/2" x 9/16"	5/8" x 3/4"
3/8" x 7/16"	19/32" x 11/16"	

NO. 0930-5P **5 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 5¾ LBS.

6 Piece Set. Range 5/16" to 7/8".

CONTENTS—6 WRENCHES—SIZES:

5/16" x 11/32"	1/2" x 9/16"	5/8" x 3/4"
3/8" x 7/16"	19/32" x 11/16"	13/16" x 7/8"

NO. 0930-6P **6 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 6½ LBS.

6 Piece Set. Range 3/8" to 1".

CONTENTS—6 WRENCHES—SIZES:

3/8" x 7/16"	19/32" x 11/16"	13/16" x 7/8"
1/2" x 9/16"	5/8" x 3/4"	15/16" x 1"

NO. 0930-06P **6 PIECE OPEN END WRENCH SET**
STD. PKG. 6. PKG. WT. 13 LBS.

WRENCH SET IN ROLL

For convenience in carrying in a car, truck, tractor or tool box these two sets of popular size wrenches are offered in tool rolls. The plastic rolls are durable and easy to keep clean. Design and color are attractive and are ideal for counter or showcase display. Each wrench brightly plated with head polished to a mirror-like finish. Scientifically heat treated.

CONTENTS

No.	Size	No.	Size
P721	5/16" x 3/8"	P731A	3/4" x 7/8"
P725	7/16" x 1/2"	P33B	13/16" x 15/16"
P725B	1/2" x 9/16"	P735	1" x 1 1/8"
P727	9/16" x 5/8"	P37	1 1/16" x 1 1/4"
P29	11/16" x 25/32"		

NO. 940-9 **9 PIECE OPEN END WRENCH SET**
STD. PKG. 1. PKG. WT. 5 LBS.

CONTENTS

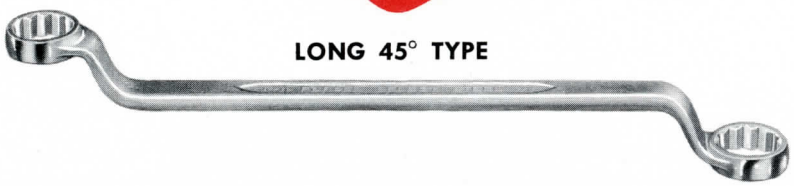
No.	Size	No.	Size
P721	5/16" x 3/8"	P731A	3/4" x 7/8"
P723	3/8" x 7/16"	P33B	13/16" x 15/16"
P725B	1/2" x 9/16"	P735	1" x 1 1/8"
P727	9/16" x 5/8"	P37	1 1/16" x 1 1/4"
P25	1/2" x 19/32"	P39A	1 5/16" x 1 1/2"
P29	11/16" x 25/32"	P41	1 7/16" x 1 5/8"

NO. 940-12 **12 PIECE OPEN END WRENCH SET**
STD. PKG. 1. PKG. WT. 11¾ LBS.

TOOLS OF PROGRESS

DURO-CHROME

SELECT STEEL



LONG 45° TYPE

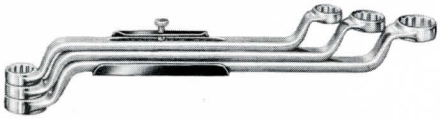
Polished Heads **Brightly Plated**

A complete range of sizes is offered in today's fastest selling box wrenches. Smartly designed to attract customer attention, yet economically priced for heavy volume sales. Highly polished heads and brightly plated. Precision broached in 12 point except 3/8" x 7/16" which is 6 point. Extra strong thin walls for working in restricted spaces. Drop forged and scientifically heat treated for extra strength and long service.

No.	Size	Length	Std. Pkg.	Pkg. Wt.	No.	Size	Length	Std. Pkg.	Pkg. Wt.
911	3/8" x 7/16"	7 5/8"	6	1 lb.	**915**	13/16" x 7/8"	12 1/2"	6	3 3/4 lbs.
912	1/2" x 9/16"	8 5/8"	6	1 1/2 lbs.	**916**	15/16" x 1"	14 1/4"	6	5 lbs.
913	5/8" x 11/16"	9 3/4"	6	2 lbs.	**917**	1 1/16" x 1 1/8"	16"	6	6 lbs.
914	3/4" x 25/32"	11 1/8"	6	2 3/4 lbs.					

"KLIP-TITE" SETS ARE PROVEN BEST SELLERS!

Box End Wrench Sets when offered in Klip-Tite holders are the last word in counter and window merchandising. Enjoy volume sales by offering several of these sets to give your customers a complete choice. Each set outstanding in utility, beauty and value.

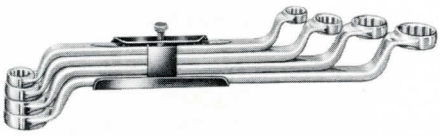


A basic set with six principal openings. An ideal set for the economy minded. A good seller, particularly in chain, variety stores, etc.

CONTENTS

912	1/2" x 9/16"	913	5/8" x 11/16"	914	3/4" x 25/32"

NO. 910-3K 3 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 7 LBS.

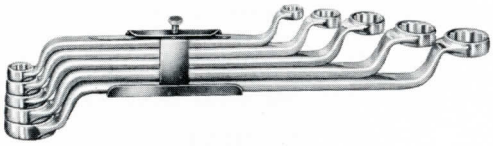


A useful and handy set with eight popular openings. A fine set for use around car, truck, household and for maintenance and service work, etc.

CONTENTS

911	3/8" x 7/16"	913	5/8" x 11/16"
912	1/2" x 9/16"	914	3/4" x 25/32"

NO. 910-4K 4 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 8 1/2 LBS.

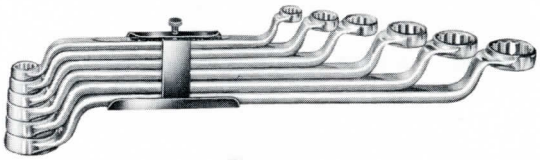


A set that leads all others for popularity. Truly a great set for general all around purpose. Ten openings of the most frequently used sizes. An ideal set for the mechanic, car owner, hobbyist, service and maintenance man, etc.

CONTENTS

911	3/8" x 7/16"	913	5/8" x 11/16"	915	13/16" x 7/8"
912	1/2" x 9/16"	914	3/4" x 25/32"		

NO. 910-5K 5 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 12 1/4 LBS.

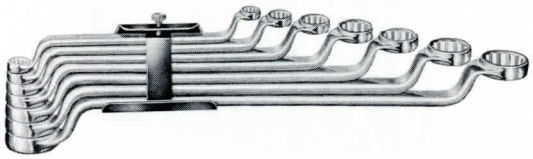


A complete set that is unbeatable for utility, for beauty, and for value. 12 openings of the most used sizes. Has immediate acceptance by mechanics, motorists, householders, hobbyists, maintenance and servicemen, etc.

CONTENTS

911	3/8" x 7/16"	913	5/8" x 11/16"	915	13/16" x 7/8"
912	1/2" x 9/16"	914	3/4" x 25/32"	916	15/16" x 1"

NO. 910-6K 6 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 23 1/2 LBS.



Here is a set that is unmatched for utility, eye appeal and price. 14 openings of the most used sizes for maintenance and service work around car, truck, tractor, home hobby shop, factory, etc.

CONTENTS

911	3/8" x 7/16"	914	3/4" x 25/32"	917	1 1/16" x 1 1/8"
912	1/2" x 9/16"	915	13/16" x 7/8"		
913	5/8" x 11/16"	916	15/16" x 1"		

NO. 910-7K 7 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 23 1/2 LBS.

DURO-CHROME

SELECT STEEL

TOOLS OF PROGRESS

SHORT 45° TYPE

Polished Heads **Brightly Plated**

A companion line of wrenches to those shown on the opposite page. These wrenches are tops in every respect—merchandising, utility, beauty and value. A wide range of popular sizes and a choice of Klip-Tite sets for every requirement. Unsurpassed for use in close quarters and over obstructions. Drop forged and scientifically heat treated for extra strength. Precision broached in 12 point except size 3/8" x 7/16" which is 6 point. Heads are highly polished and brightly plated.

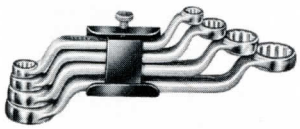
No.	Size	Length	Std. Pkg.	Pkg. Wt.	No.	Size	Length	Std. Pkg.	Pkg. Wt.
929	1/4" x 5/16"	4 1/8"	6	1/2 lb.	**933**	5/8" x 11/16"	6 1/8"	6	1 1/4 lbs.
931	3/8" x 7/16"	4 5/8"	6	3/4 lb.	**934**	3/4" x 25/32"	7 1/8"	6	1 3/4 lbs.
932	1/2" x 9/16"	5 1/4"	6	1 lb.					

A basic set of six popular size openings to speed up work in close quarters.

CONTENTS

931	3/8" x 7/16"	932	1/2" x 9/16"	933	5/8" x 11/16"

NO. 935-3K **3 PC. BOX END WRENCH SET**
STD. PKG. 6. PKG. WT. 3 1/4 LBS.

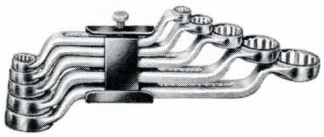


A perfect set for fast work in restricted spaces. Efficient combinations of wrench sizes and utility has made this the best set ever offered.

CONTENTS

931	3/8" x 7/16"	933	5/8" x 11/16"
932	1/2" x 9/16"	934	3/4" x 25/32"

NO. 935-4K **4 PC. BOX END WRENCH SET**
STD. PKG. 6. PKG. WT. 5 LBS.



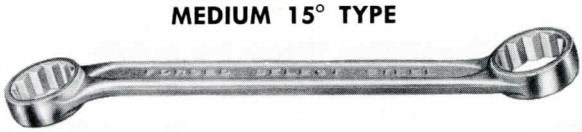
A full range set for easier and faster work in spaces that other wrenches will not even fit. A balanced set that has unlimited utility.

CONTENTS

929	1/4" x 5/16"	932	1/2" x 9/16"	934	3/4" x 25/32"
931	3/8" x 7/16"	933	5/8" x 11/16"		

NO. 935-5K **5 PC. BOX END WRENCH SET**
STD. PKG. 6. PKG. WT. 5 1/2 LBS.

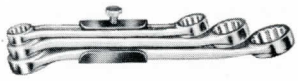
MEDIUM 15° TYPE



Polished Heads **Brightly Plated**

A companion line of wrenches to both the 45° long and 45° short box wrenches. Excellent for use in close quarters and to clear obstructions. Smartly designed for eye appeal and properly balanced. A wide range of popular sizes and a choice of Klip-Tite sets to meet every requirement for the mechanic, motorist, farm maintenance and serviceman, etc. Drop forged and scientifically heat treated for extra strength and long service.

No.	Size	Length	Std. Pkg.	Pkg. Wt.	No.	Size	Length	Std. Pkg.	Pkg. Wt.
919	1/4" x 5/16"	3 5/8"	6	1/4 lb.	**923**	5/8" x 11/16"	6 1/4"	6	1 lb.
921	3/8" x 7/16"	4 1/2"	6	1/2 lb.	**924**	3/4" x 25/32"	7 1/4"	6	1 3/4 lbs.
922	1/2" x 9/16"	5 1/4"	6	3/4 lb.	**925**	13/16" x 7/8"	8 1/2"	6	2 lbs.

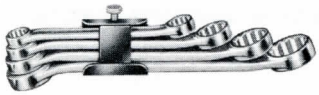


A basic set with six principal size openings to make close quarter work easier and faster.

CONTENTS

921	3/8" x 7/16"	922	1/2" x 9/16"	923	5/8" x 11/16"

NO. 920-3K **3 PC. BOX END WRENCH SET**
STD. PKG. 6. PKG. WT. 2 3/4 LBS.

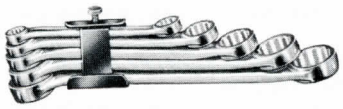


A perfect set for fast efficient work in close quarters and clearing obstructions. Eight openings of the most frequently used sizes.

CONTENTS

921	3/8" x 7/16"	923	5/8" x 11/16"
922	1/2" x 9/16"	924	3/4" x 25/32"

NO. 920-4K **4 PC. BOX END WRENCH SET**
STD. PKG. 6. PKG. WT. 4 1/4 LBS.



A full range set that is ideal for work in close quarters and to clear obstructions. Ten openings all popular sizes for extra utility.

CONTENTS

921	3/8" x 7/16"	923	5/8" x 11/16"	925	13/16" x 7/8"
922	1/2" x 9/16"	924	3/4" x 25/32"		

NO. 920-5K **5 PC. BOX END WRENCH SET**
STD. PKG. 6. PKG. WT. 6 1/2 LBS.

TOOLS OF PROGRESS

DURO-CHROME

SELECT STEEL

These forged wrenches combine best features of open end and box end wrenches. Both ends of each wrench have identical size openings. The box end is offset 15° for greater clearance, while the open end has a 15° angle opening for work in tight places. Box end fits hexagon nuts or bolts while the open end will take care of both hexagon and squares.

Each wrench is brightly plated with polished heads and has a satin finished handle for firm gripping.

Use the box end for tight nuts—the open end for speed. Popular with the car owner, industrial and professional mechanics and for farm machinery maintenance. Box ends of Nos. 1069, 1070, and 1071 are 6 point. All other numbers are 12 point.

No.	Size	Length	Open Head Thickness	Std. Pkg.	Pkg. Wt.
1069	1/4"	3 11/16"	11/64"	6	1/4 lb.
1070	5/16"	4 1/16"	13/64"	6	1/4 lb.
1071	3/8"	4 5/8"	7/32"	6	1/2 lb.
1072	7/16"	5 1/8"	15/64"	6	1/2 lb.
1073	1/2"	5 3/16"	1/4"	6	3/4 lb.
1074	9/16"	6 1/2"	17/64"	6	1 1/4 lbs.
1075	5/8"	7 5/16"	9/32"	6	1 1/2 lbs.
1076	11/16"	8 3/16"	19/64"	6	2 lbs.
1077	3/4"	9 1/8"	21/64"	6	2 1/2 lbs.
1078	13/16"	10 3/16"	11/32"	6	3 lbs.
1079	7/8"	11 5/16"	23/64"	6	4 lbs.
1080	15/16"	11 7/8"	3/8"	6	4 1/2 lbs.
1081	1"	12 1/2"	25/64"	6	5 lbs.
1082	1 1/16"	13 1/8"	13/32"	6	6 lbs.
1083	1 1/8"	13 13/16"	7/16"	6	7 lbs.
1084	1 1/4"	14 1/2"	29/64"	6	8 1/4 lbs.

Combination Wrench Sets in Rolls

Combination wrench sets in "eye appealing" durable plastic kits. A set to meet every individual requirement. Each wrench in a separate pocket.

Sets No. 1060 and 1061 are particularly popular with the farm mechanic. Most of the nuts and bolts on farm equipment range in size from 1/4" to 1 1/4" and with these two sets he can take care of all hexagon or square nut sizes.

NO. 1060 **11 PC. SET—1/4" to 7/8". Sizes 1/4", 5/16", 3/8", 7/16", 1/2" 9/16", 5/8", 11/16", 3/4", 13/16", 7/8".**
STD. PKG. 1. PKG. WT. 3 1/4 LBS.

NO. 1061 **5 PC. SET—15/16" to 1 1/4". Sizes 15/16", 1", 1 1/16", 1 1/8", 1 1/4".**
STD. PKG. 1. PKG. WT. 5 3/4 LBS.

NO. 1062 **5 PC. SET—1/4" to 1/2". Sizes 1/4", 5/16", 3/8", 7/16", 1/2".**
STD. PKG. 1. PKG. WT. 1/2 LB.

NO. 1063 **5 PC. SET—3/8" to 5/8". Sizes 3/8", 7/16", 1/2", 9/16", 5/8".**
STD. PKG. 1. PKG. WT. 1 LB.

NO. 1064 **7 PC. SET—3/8" to 3/4". Sizes 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4".**
STD. PKG. 1. PKG. WT. 1 3/4 LBS.

NO. 1065 **8 PC. SET—3/8" to 3/4" and 7/8". Sizes 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8".**
STD. PKG. 1. PKG. WT. 2 1/2 LBS.

NO. 1066 **12 PC. SET—3/8" to 1 1/16". Sizes 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16".**
STD. PKG. 1. PKG. WT. 5 3/4 LBS.

NO. 1067 **14 PC. SET—3/8" to 1 1/4". Sizes 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4".**
STD. PKG. 1. PKG. WT. 9 LBS.

DURO-CHROME

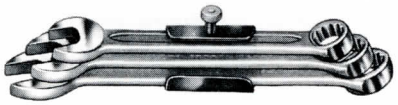
SELECT STEEL

TOOLS OF PROGRESS

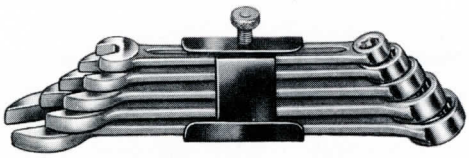
Klip-Tite Sets

Klip Tite wrench sets always have top consumer appeal as the clip is a handy method of holding the wrenches together yet ready for instant use. Klip Tite sets also make attractive displays for merchandising on counters, in windows, etc. Complete specifications for each wrench in these sets can be found on opposite page.

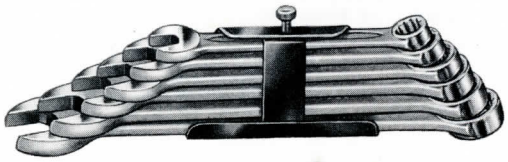
3 PIECE SET



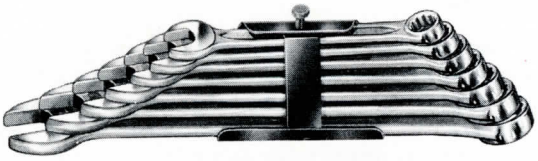
5 PIECE SETS



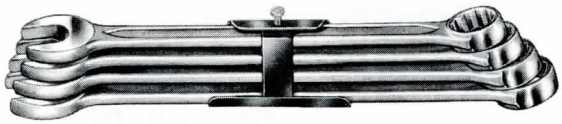
6 PIECE SETS



7 PIECE SET



4 PIECE SET



3 Piece Set—Range 7/16″ to 9/16″

The three most commonly used sizes make up this set. For the man who uses tools occasionally.

CONTENTS

1072	7/16″	1073	1/2″	1074	9/16″

NO. 1070-3K **3 PC. SET—Range 7/16″ to 9/16″**
STD. PKG. 6. PKG. WT. 3 LBS.

5 Piece Set—Range 1/4″ to 1/2″

Popular with the car owner, home owner, hobbyist and mechanic working on small machines.

CONTENTS

1069	1/4″	1071	3/8″	1073	1/2″
1070	5/16″	1072	7/16″		

NO. 1070-5K **5 PC. SET—Range 1/4″ to 1/2″**
STD. PKG. 6. PKG. WT. 2¾ LBS.

5 Piece Set—Range 7/16″ to 11/16″

A series of larger wrench openings is the feature of this set.

CONTENTS

1072	7/16″	1074	9/16″	1076	11/16″
1073	1/2″	1075	5/8″		

NO. 1070-05K **5 PC. SET—Range 7/16″ to 11/16″**
STD. PKG. 6. PKG. WT. 6¾ LBS.

6 Piece Set—Range 3/8″ to 11/16″

One of the most popular sets for all purposes with the convenience of the handy clip.

CONTENTS

1071	3/8″	1073	1/2″	1075	5/8″
1072	7/16″	1074	9/16″	1076	11/16″

NO. 1070-06K **6 PC. SET—Range 3/8″ to 11/16″**
STD. PKG. 6. PKG. WT. 7 LBS.

6 Piece Set—Range 7/16″ to 3/4″

Six wrenches with openings for nuts and bolts commonly found around the car, home appliances, etc.

CONTENTS

1072	7/16″	1074	9/16″	1076	11/16″
1073	1/2″	1075	5/8″	1077	3/4″

NO. 1070-6K **6 PC. SET—Range 7/16″ to 3/4″**
STD. PKG. 6. PKG. WT. 9½ LBS.

7 Piece Set—Range 1/2″ to 7/8″

This set features the most complete range of sizes offered in a clip.

CONTENTS

1073	1/2″	1075	5/8″	1078	13/16″
1074	9/16″	1076	11/16″	1079	7/8″
		1077	3/4″		

NO. 1070-7K **7 PC. SET—Range 1/2″ to 7/8″**
STD. PKG. 6. PKG. WT. 16½ LBS.

4 Piece Set—Range 15/16″ to 1 1/8″

A companion to the 7 Piece set above increasing the size of the nut or bolt which can be turned to 1⅛″. For industrial use, truck, tractor, etc.

CONTENTS

1080	15/16″	1082	1 1/16″
1081	1″	1083	1 1/8″

NO. 1070-4K **4 PC. SET—Range 15/16″ to 1 1/8″**
STD. PKG. 6. PKG. WT. 23¾ LBS.

TOOLS OF PROGRESS

DURO-CHROME

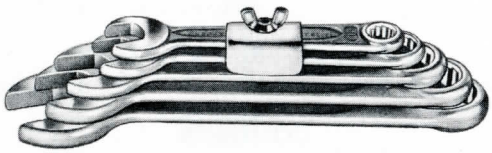
SELECT STEEL

Drop Forged Open-Box End Wrench Sets

A selected fast selling group of sets that meet the most popular demand of any Wrench Set on the market for the HARDWARE or AUTOMOTIVE trade. An easy way to attract customers and build volume sales as they are smartly designed, attractively plated and polished, and economy priced. Display them in your windows and on your counter and watch the sales roll in. The open ends are at a convenient 15° angle and Box ends are broached accurately in the popular 12 Point opening that permits a new grip every 30°. Wrenches are scientifically heat treated. Brightly plated with polished heads. Compactly held together with screw and wing nut.

5 PIECE SET

Range 5/16" to 3/4"



POLISHED **BRIGHTLY PLATED**

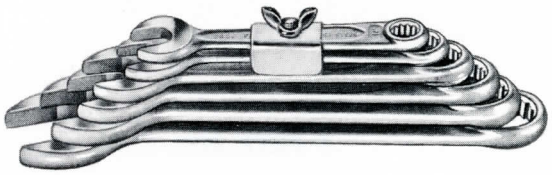
A set that offers real utility and value. Handy for carrying in a glove compartment or tool kit or box. Ten of the most popular openings for use around a car, household, farm, hobby shop, factory.

Size		Length
Box End	Open End	
5/16" Hex. 12 Pt.	7/16"	4"
7/16" Hex. 12 Pt.	1/2"	4 1/2"
1/2" Hex. 12 Pt.	9/16"	5"
9/16" Hex. 12 Pt.	5/8"	5 3/4"
5/8" Hex. 12 Pt.	3/4"	6 1/2"

NO. 900-5A **5 PIECE SET**
STD. PKG. 12. PKG. WT. 8½ LBS.

6 PIECE SET

Range 5/16" to 7/8"



POLISHED **BRIGHTLY PLATED**

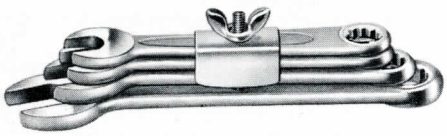
A set that leads all others in acceptance. It will always be a popular choice for utility and value. Extra strong, smartly designed, beautifully polished and plated. A volume leader in hardware, chain and variety stores.

Size		Length
Box End	Open End	
5/16" Hex. 12 Pt.	7/16"	4"
7/16" Hex. 12 Pt.	1/2"	4 1/2"
1/2" Hex. 12 Pt.	9/16"	5"
9/16" Hex. 12 Pt.	5/8"	5 3/4"
5/8" Hex. 12 Pt.	3/4"	6 1/2"
3/4" Hex. 12 Pt.	7/8"	7 1/2"

NO. 900-6A **6 PIECE SET**
STD. PKG. 12. PKG. WT. 13 LBS.

4 PIECE SET

Range 3/8" to 9/16"



POLISHED **BRIGHTLY PLATED**

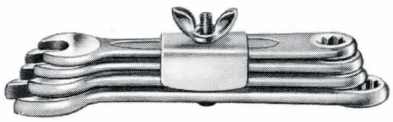
Counter display this set and then watch the kids with bikes, the home owners, car owners and mechanics go for it! A compact set containing all useful openings, smartly designed, beautifully polished and plated, priced within reach of everyone.

Size		Length
Box End	Open End	
3/8" Hex. 12 Pt.	3/8"	3 7/8"
5/16" Hex. 12 Pt.	7/16"	4"
7/16" Hex. 12 Pt.	1/2"	4 1/2"
1/2" Hex. 12 Pt.	9/16"	5"

NO. 900-4B **4 PIECE SET**
STD. PKG. 12. PKG. WT. 4½ LBS.

4 PIECE SET

Range 1/4" to 1/2"



POLISHED **BRIGHTLY PLATED**

A "natural" for chain and variety stores. A combination of quality manufacture, modern design, sparkling finish and outstanding value makes this set a volume seller wherever displayed. Maximum utility is offered and it truly will appeal to the car owner, house owner, hobbyist and mechanic.

Size		Length
Box End	Open End	
1/4" Sq. 8 Pt.	5/16"	3 3/4"
3/8" Hex. 12 Pt.	3/8"	3 7/8"
5/16" Hex. 12 Pt.	7/16"	4"
7/16" Hex. 12 Pt.	1/2"	4 1/2"

NO. 900-4C **4 PIECE SET**
STD. PKG. 12. PKG. WT. 3½ LBS.

DURO-CHROME

SELECT STEEL

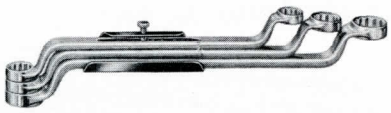
TOOLS OF PROGRESS

"Klip-Tite" Leader Sets

Popularly priced box end wrench sets in handy metal clips. High quality drop forged select steel wrenches with accurately sized openings, scientifically heat treated and finished all over in a bright, rust resistant plating.

All wrench openings are 12 point except sizes 3/8" and 7/16" which are 6 point. Convenient to have around the house or car, always orderly in the metal clip. Sold in volume by chain, variety and hardware stores.

Long 45° Type

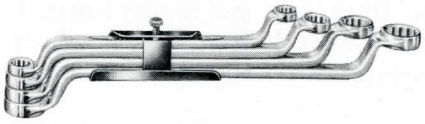


A primary set with six generally used openings. A good set for the economy minded.

Contents—3 Wrenches—Sizes

1/2" x 9/16" 5/8" x 11/16" 3/4" x 25/32"

NO. 0910-3K 3 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 7 LBS.

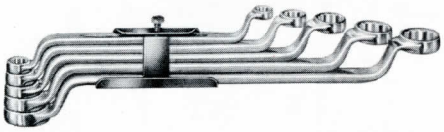


A range of sizes from 3/8" to 25/32" in eight openings. A fine set for general service work.

Contents—4 Wrenches—Sizes

3/8" x 7/16" 5/8" x 11/16"
1/2" x 9/16" 3/4" x 25/32"

NO. 0910-4K 4 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 8½ LBS.

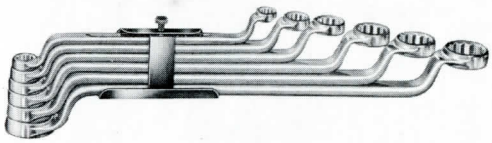


The most popular set in this series. Ten openings that are ideal for the mechanic, car or home owner.

Contents—5 Wrenches—Sizes

3/8" x 7/16" 5/8" x 11/16" 13/16" x 7/8"
1/2" x 9/16" 3/4" x 25/32"

NO. 0910-5K 5 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 12¼ LBS.



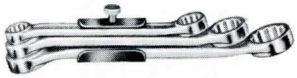
The complete range of sizes is offered in this set. Twelve openings ranging from 3/8" to 1". This set cannot be matched for value and utility.

Contents—6 Wrenches—Sizes

3/8" x 7/16" 5/8" x 11/16" 13/16" x 7/8"
1/2" x 9/16" 3/4" x 25/32" 15/16" x 1"

NO. 0910-6K 6 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 23½ LBS.

Medium 15° Type

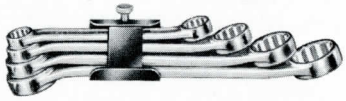


The 15° angle of these wrenches makes them perfect for close quarter work. This set covers the range from 3/8" to 11/16".

Contents—3 Wrenches—Sizes

3/8" x 7/16" 1/2" x 9/16" 5/8" x 11/16"

NO. 0920-3K 3 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 2¾ LBS.

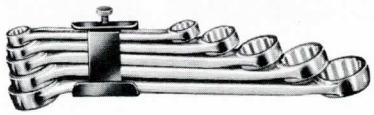


Eight popular openings from 3/8" to 25/32" are offered in this 4 piece set. All are sizes frequently used by mechanics.

Contents—4 Wrenches—Sizes

3/8" x 7/16" 5/8" x 11/16"
1/2" x 9/16" 3/4" x 25/32"

NO. 0920-4K 4 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 4¼ LBS.



Full range of sizes 1/4" to 25/32" is a feature. Mechanics who want to be able to service all types of machines will buy this set.

Contents—5 Wrenches—Sizes

3/8" x 7/16" 5/8" x 11/16" 13/16" x 7/8"
1/2" x 9/16" 3/4" x 25/32"

NO. 0920-5K 5 PC. BOX END WRENCH SET
STD. PKG. 6. PKG. WT. 6½ LBS.

TOOLS OF PROGRESS

DURO-CHROME

THE SUCCESSFUL DURO-CHROME MERCHANDISING PLAN TO MULTIPLY TOOL SALES AND PROFITS

CAPITALIZE ON IT EVERY DAY!

Make every tool sale by having the complete Duro-Chrome line. Men will buy tools where they can get everything they need. That's the experience of dealers who have switched from incomplete or short-line selling and really gone into the tool business with the complete Duro-Chrome line.

DURO-CHROME SELF SELLING MERCHANDISING BOARDS

Put these handsome, Self Selling Merchandising Display Boards to work for you. It's a well-known fact that tools well displayed are tools sold. They create impulse sales and assist countermen as each tool is clearly identified and attractively displayed on a rich gold background with contrasting red frame.

DURO METAL PRODUCTS CO., 2649 N. KILDARE AVE., CHICAGO 39, U.S.A.

DURO-CHROME

TOOLS OF PROGRESS

THE TOOLS EVERY MECHANIC WANTS

EXTRA SALES OPPORTUNITIES FOR YOU

Get that added business from mechanics who do not always have the opportunity of coming into your store by having your salesman carry a representative sample assortment of Duro-Chrome tools in a roll or tool box. Your salesman can show and sell Duro-Chrome tools on every call.

KNOWN THE WORLD OVER AS THOSE DOGGONE GOOD TOOLS

Duro's National and International advertising program constantly reminds mechanics to "Get your Duro-Chrome tools where you see them displayed at your Jobber," or "Order Duro-Chrome tools from your Jobber's Salesman."

A post card or letter addressed to the factory will bring you a copy of Catalog No. 70 on Merchandising Displays and Selling Aids.

START AT ONCE TO ENJOY PLUS PROFITS WITH DURO-CHROME TOOLS.

"Doggone Good Tools" SINCE 1916

TOOLS OF PROGRESS

DURO-CHROME

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WRENCH OPENING—BOLT AND NUT CHART

Wrench Size or Width Across the Flats of Bolt Heads and Nuts	American National—Bolt Size					Machine Screw Nuts and Stove Bolt Nuts
	Light (S.A.E.)	Regular (American Standard)		Heavy (U.S.S.)	N.C. and N.F. Cap Screws	
	Nuts	Bolts	Nuts	Bolts and Nuts		
5/32″						Nos. 0 & 1
3/16″						Nos. 2 & 3
1/4″						No. 4
5/16″						Nos. 5 & 6
11/32″						No. 8
3/8″		1/4				No. 10
7/16″	1/4		1/4		1/4	No. 12 & 1/4
1/2″	5/16	5/16		1/4	5/16	
9/16″	3/8	3/8	5/16		3/8	5/16
19/32″				5/16		
5/8″	7/16	7/16	3/8		7/16	3/8
11/16″				3/8		
3/4″	1/2	1/2	7/16		1/2	
25/32″				7/16		
13/16″			1/2		9/16	
7/8″	9/16	9/16	9/16	1/2	5/8	
15/16″	5/8	5/8		9/16		
1″			5/8		3/4	
1 1/16″	3/4			5/8		
1 1/8″		3/4	3/4		7/8	
1 1/4″	7/8			3/4		
1 5/16″		7/8	7/8		1	
1 3/8″						
1 7/16″	1			7/8		
1 1/2″		1	1		1 1/8	
1 5/8″	1 1/8			1		
1 11/16″		1 1/8	1 1/8		1 1/4	
1 13/16″	1 1/4			1 1/8		
1 7/8″		1 1/4	1 1/4		1 3/8	
2″	1 3/8			1 1/4		
2 1/16″		1 3/8	1 3/8		1 1/2	
2 3/16″	1 1/2			1 3/8		
2 1/4″		1 1/2	1 1/2			

SPARK PLUG WRENCH CHART

Spark Plug Thread Size	Wrench Size	FIT PLUGS		
		AC	Auto-Lite	Champion
10MM	9/16″	103		
	5/8″	104, 106, 108	P4, P6, PR4, PR6	Y4A, Y6, Y8
	11/16″	103S, M8		
14MM	13/16″ or 53/64″	(42 and 43 Com.) (43L and 43L Com.) (44 and 44 Com.) (45 and 45 Com.) (45L and 45L Com.) 45S, (46 and 46 Com.) (47 and 47 Com.) 48, 49	A3, A4, AT4, A5, AL5, AN5, AR5, ARL5, AE6, A7, AL7, AN7, AR8, AT8, A9, AE10, A11	J2, J6, J7, H8, J8, H9 Com., H10, H11, J11, J12, J14
1/2″	15/16″	24, 26		A25, 30, 31, 32
	1 1/8″			33 long, 34 ex. long
18MM	7/8″ or 29/32″	81, 81S Com., 82, 82S Com., 83S, 84, 85S Com., 85L, 86, 88	BH4, B5, B7, BH8, B9, B11	15A, C15, H-16-A, H-17-A, 49
	1″	82 Com. to 87 Com., 88L Com.		(5 and 6 Com.), 7, (8 and 9 Com.), 13, C7, D8
7/8″	7/8″ or 29/32″	76, 76S		6
	15/16″	73 Com., (74 and 74 Com.) (76 and 76 Com.), 76S, 77, 77L, 78, 78L	TH4, TT4, T7, TH8, TT8, T9, TT10, T11, TT15	(0, 1, 2 and 3 Com.), 22
	1 1/8″	78S		C4

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Railroads . . . Aircraft
Marine Gear
Farm Implements
Construction Equipment
Industrial Production
Refrigeration Service
Electrical Devices
Home and Hobbies

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